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MISCELLANEOUS

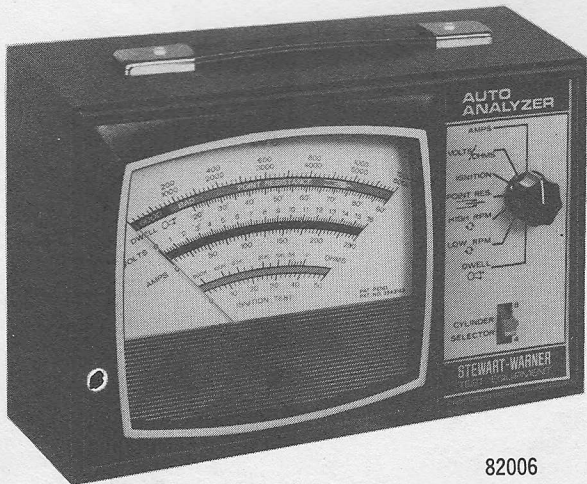
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ENGINE ANALYZER TESTER—82006



82006

Performs all electrical and tune-up tests. For use on all 4-6-8 cylinder engines with 6 or 12 volt (positive or negative ground) systems. Scales include:

- Dual Tachometer Scales (0-1200 and 0-6000)
- Dwell (0-90)
- Volts (0-16)
- Amps (0-250)
- Ohms (0-500K)
- Ignition Spark Output (0-50)
- Point Resistance (Good-Bad)

Features overload protected, solid state circuit housed in high impact plastic case. Zener regulated, so no batteries or calibration is required. Unit includes long leads with heavy duty clips, universal battery post adapter, test leads, accessories and instruction manual.

DC POWERED TIMING LIGHT—82003

For all 6 or 12 volt systems. Features brilliant xenon blue-white light and prefocused optical glass lens. Die cast case has heavy chrome finish and trigger switch assures long flashtube life. Burnout proof, solid state circuit with automatic reverse polarity and overload protection. Includes domestic and foreign spark plug adapters, long leads and instructions.



82003

Stewart-Warner Hand Held Tune-Up Equipment can be used on all current O.E.M. and after-market ignition systems. This includes the General Motors HEI systems, the Ford Solid State systems, the Chrysler Electronic systems and the American Motors BID systems.

In addition, this equipment can be used on very nearly all of the ignition systems now being developed.



82004

TACH / DWELL / POINTS TESTER—82004

Simple to use with professional results. For use with all 4-6-8 cylinder engines with 6 or 12 volt (positive or negative ground) systems. Scales include:

- Dual Tachometer Scales (0-2250 and 0-3000)
- Dual Dwell Scales (0-45 and 0-60)
- Point Resistance (Good-Bad)

Features burnout proof, solid state circuits in molded, high impact plastic case. No batteries or calibration required. Includes long leads for easy hook-up and instructions.

AC POWERED TIMING LIGHT—82005

For all 6 and 12 volt systems. Features brilliant xenon blue-white light and prefocused optical glass lens. Sturdy high impact case with trigger switch for long flashtube life. Burnout proof solid state circuit has automatic overload protection. Plugs into any 110 volt AC power source. U.L. listed. Includes domestic and foreign spark plug adapters, long leads and instructions.



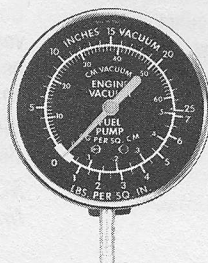
82005

REMOTE STARTER SWITCH—82002



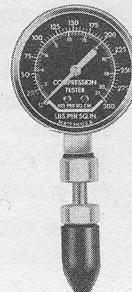
Oil and water resistant unit features easy to use push button operation, long length leads and sturdy clamps.

VACUUM / FUEL PUMP TESTER—82001



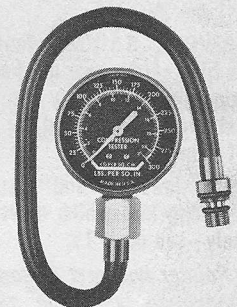
Large 2 3/4" dial has dual scales: 0-25" Hg and 0-60 cm Hg on vacuum scale and 0-7 psi and 0-5 Kg/cm² on pressure scale. Includes 3 1/2 foot neoprene tubing and universal fuel pump adapter.

COMPRESSION TESTERS



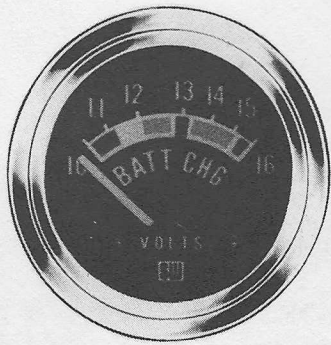
Model 82000

Large 2 3/4" dial has 0-300 psi and 0-21 Kg/cm² pressure scales. Includes removable stem and universal rubber tapered cone to fit all spark plug holes.



Model 82007

Large 2 3/4" dial has 0-300 psi and 0-21 Kg/cm² pressure scales. Includes flexible hose with spark plug hole adapter.



DELUXE GAUGES

FACE DIAL is black with white graduations and pointers.

BEZEL is flat, bright chrome plated and made of brass or steel.

CASE is 2-1/16" (steel or brass) or 2-5/8" (steel) in diameter. Steel cases have dichromate coating to resist corrosion.

LIGHTING is internal and self-contained on 82000 series gauges. Internal, chimney lighting is used on all other models. Most gauge models include lighting kits.

ELECTRIC GAUGES feature Bi-Torque® mechanisms (90° conventional sweep) on 82000 series gauges. Dual coil magnetic mechanisms (60° conventional sweep) are used on 6V models. Both types provide long life under heavy vibration and are not affected by changes in ambient temperatures.

Electric pressure, temperature and fuel level gauges require senders which must be ordered separately—see page 19.

NOTE: Pointer on 82000 series gauges will rest at random position on face dial when gauge is not activated. It will rest on lowest graduation on 6V gauges.

MECHANICAL GAUGES feature rugged Bourdon tube center gear mechanisms (270° conventional sweep). They withstand vibration and are not affected by changes in ambient temperatures.

Mechanical pressure and vacuum gauges require tubing kits which must be ordered separately—see page 19.

NOTE: Pointer will rest somewhere below first graduation when the gauge is not activated.

MOUNTING: Gauges come complete with mounting brackets and instructions. They may be installed in all S-W accessory panels, modules, etc., as well as in existing panels.



HEAVY DUTY GAUGES

FACE DIAL is black with white graduations and pointers.

BEZEL is raised, painted satin black and made of stainless steel.

CASE is 2-1/16" (steel) or 2-5/8" (steel) and has dichromate coating to resist corrosion.

LIGHTING is internal and self-contained. Lighting kit is NOT included and must be ordered separately—see page 19.

ELECTRIC GAUGES feature Bi-Torque® mechanisms (90° conventional sweep) and can be mounted at any angle. They are not affected by changes in the car voltage, nor are they affected by changes in ambient temperature.

Electric pressure, temperature and fuel level gauges require senders which must be ordered separately—see page 19.

NOTE: Pointer will rest at random position on face dial when gauge is not activated.

MECHANICAL GAUGES have rugged, Bourdon tube, Accustat® mechanisms (270° conventional sweep). Silicone damped pointer assures steady readings. Mechanisms provide long life under heavy vibration. Mechanical pressure and vacuum gauges require tubing kits which must be ordered separately—see page 19.

NOTE: Pointer will rest somewhere below first graduation when gauge is not activated.

MOUNTING: Gauges come with mounting brackets and instructions. They may be installed in all S-W accessory panels (except Marine Panels). They can be used in all other modules, etc., as well as in existing panels.



STAGE 3 GAUGES

FACE DIAL is black with white pointer and numerals and with yellow and white accents.

BEZEL is raised, painted satin black and made of stainless steel.

CASE is 2-1/16" in diameter (steel) and has dichromate coating to resist corrosion.

LIGHTING features patented Transoptic® lighting which combines front and back lighting features for improved night time readability. Lighting kits are included with all gauge models.

ELECTRIC GAUGES have Bi-Torque® mechanisms (90° vertical sweep) and can be mounted at any angle. They are not affected by changes in car voltage or ambient temperature and they provide long life under heavy vibration.

All electric gauges, except Ammeters, come with wire and terminals. Senders are required for electric temperature, pressure and fuel level gauges and must be ordered separately—see page 19.

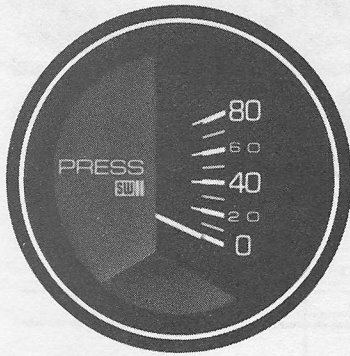
NOTE: Pointer will rest at random position on the face dial when the gauge is not activated.

MECHANICAL GAUGES have rugged, Bourdon tube Accustat® mechanisms (270° vertical sweep). They provide long life under heavy vibration and the silicone damped pointer movement assures steady readings.

All mechanical gauges come with installation material (tubing, fittings, etc.).

NOTE: Pointer will rest somewhere below first graduation when gauge is not activated.

MOUNTING: Gauges come with mounting brackets and instructions. They may be used in all S-W accessory panels (except Marine), modules, etc. They may be installed in existing panels.



STAGE 2 GAUGES

FACE DIAL is black with white pointer and with orange and white numerals and accents.

BEZEL is raised, painted satin black and made of stainless steel.

CASE is 2-1/16" in diameter (steel) and has dichromate protective coating.

LIGHTING is internal and lighting kits are included with gauge models.

ELECTRIC GAUGES have thermo mechanisms (60° vertical sweep). They withstand vibration and changes in ambient temperature.

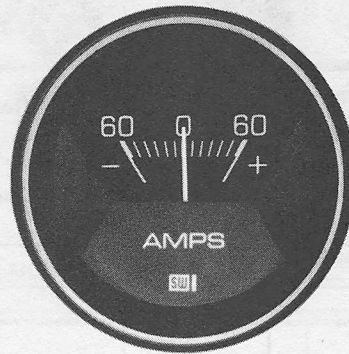
NOTE: Pointer will rest at zero when gauge is not activated.

MECHANICAL GAUGES have Bourdon tube—link mechanisms (60° vertical sweep). They withstand vibration and changes in ambient temperature.

All mechanical gauges come with installation materials (tubing, fittings, etc.).

NOTE: Pointer will rest somewhere below first graduation when gauge is not activated.

MOUNTING: Gauges come with mounting brackets and instructions. They may be installed in all S-W accessory panels (except Marine), modules, etc., or they can be used in existing panels.



STAGE 1 GAUGES

FACE DIAL is black with white pointer and numerals and with yellow accents.

BEZEL is raised, painted black and made of stainless steel.

CASE is 2-1/32" in diameter (steel) and has protective dichromate coating.

LIGHTING is indirect. Lighting kits must be ordered separately—see page 19.

ELECTRIC GAUGES have thermo mechanisms (60° conventional sweep) and can be used on positive as well as negative ground systems. They withstand vibration and changes in ambient temperature.

Electric pressure and temperature gauges require senders which must be ordered separately—see page 19.

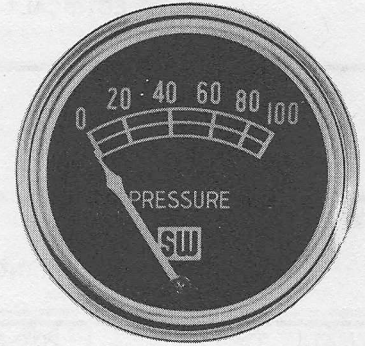
NOTE: Pointer will rest somewhere below first graduation when gauge is not activated.

MECHANICAL GAUGES have heavy duty, diaphragm silicone damped mechanisms (66° conventional sweep). They withstand vibration and changes in ambient temperature.

All mechanical gauges come with installation materials (tubing, fittings, etc.).

NOTE: Pointer will rest somewhere below first graduation when gauge is not activated.

MOUNTING: Gauges come complete with mounting brackets and instructions. They can be used in all S-W panels (except Marine), modules, etc. And, they can be installed in existing panels.



STANDARD (B & W)/ CUSTOM GAUGES

FACE DIALS: Standard gauges have black background with white pointers and graduations. Custom gauges have black and satin trim backgrounds with white numerals and red pointers.

BEZEL is flat and bright chrome plated.

CASE is 2-1/32" in diameter (steel) with dichromate protective coating.

LIGHTING is indirect. Lighting kits must be ordered separately—see page 19. Some models cannot be illuminated.

ELECTRIC GAUGES have thermo mechanisms (60° conventional sweep). They withstand vibration and changes in ambient temperature.

Electric fuel level gauges require senders which must be ordered separately—see page 19.

NOTE: Pointer will rest somewhere below first graduation when gauge is not activated.

MECHANICAL GAUGES have rugged diaphragm mechanisms (66° conventional sweep) and they withstand vibration and changes in ambient temperature.


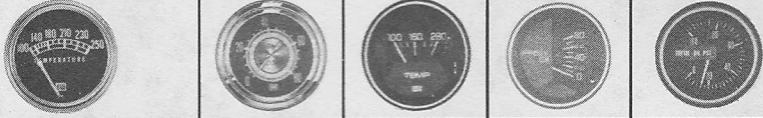
Mechanical pressure gauges require tubing kits which must be ordered separately—see page 19.

NOTE: Pointer will rest somewhere below first graduation when gauge is not activated.

MOUNTING: Gauges come with mounting brackets and instructions. They can be used in all S-W accessory panels, modules, etc. And, they can be used in existing panels.

GAUGES

GAUGE REFERENCE CHART

ELECTRICAL †								
MECHANICAL †								
INSTRUMENT	RANGE	2 1/2" DIAM.			2 1/8" DIAM.			
		STANDARD		CUSTOM	STAGE 1	STAGE 2	STAGE 3	
			NO LIGHT					
AMMETER (Page 12)	20-0-20		82201 (357-W*)					
	30-0-30	357-DB*	82200 (357-N*)					
	60-0-60	357-BL	82202 (357-X*)	357-DP	281-A	282-A	283-A	
	100-0-100							
	150-0-150							
VOLTMETER (Page 12)					281-H (12V)		283-H (12V)	
PRESSURE (Page 10)	0-10	352-DA*						
	0-15						283-E	
	0-30							
	0-50		352-AT					
	0-80	352-CX	352-AW	352-EJ	281-D 281-E (12V)	282-C		
	0-100		352-AY				283-D 283-L (12V)	
	0-150							
	0-200							
	0-300							
	0-400							
TEMPERATURE (Page 11)	60-240							
	100-230							
	100-240							
	100-250	356-BW	356-AJ	356-CX				
	100-265						283-B	
	100-270							
	100-280					281-C (12V)	282-B	283-J (12V)
	100-325							
	140-275					281-B		
	140-320							283-K (12V)
140-325							283-C	
CYLINDER HEAD (Page 14)								
PRESS-VAC (Page 14)								
VACUUM (Page 13)	0-30				281-F		283-F	
FUEL (Page 13)			378-P (12V)				283-M (12V)	
MOTOR MINDER (Page 14)							82300	
CLOCK (Page 14)							284-AL (12V)	

†Label designates applicability of style shown to mechanical or electrical gauges

*Subject to field stock availability

GAUGE REFERENCE CHART

GAUGES

					ELECTRICAL †		
					MECHANICAL †		
2 1/4" DIAM. B & W			2 1/2" DIAM. B & W—STEEL			RANGE	INSTRUMENT
HEAVY DUTY	DELUXE		TRUCK	HEAVY DUTY	DELUXE		
STEEL	STEEL	BRASS	See pg. 25				
						20-0-20	AMMETER (Page 12)
	82310 (359-EM*)					30-0-30	
284-A 284-AB	82311 (359-EN*)	82108 82109	82302 (359-EP*)	285-A*	82404 (690-C)	60-0-60	
284-AA	82313 (369-AX*)	82110	82312 (369-AW*)			100-0-100	
284-AD						150-0-150	
284-H (12V) 284-AJ (24V)	82309 (12V)	82112 (12V)	375-AK (12V)				VOLTMETER (Page 12)
	360-HY-1					0-10	PRESSURE (Page 10)
284-E				285-E*	82405	0-15	
	360-HZ, 360-JA					0-30	
						0-50	
284-AE (12V)	82304 (12V) 360-JB	305-B (6V) 82113 (12V)				0-80	
284-D, 284-L (12V)	82305 (12V) 360-JC	82116 (12V)	306-DB (12V) 360-HM	285-D*	691-CB	0-100	
284-N 284-T (12V)	360-DE		360-HL 368-P**	285-H*	691-DB, 691-FB	10-150	
284-P	360-JD 360-JE					10-200	
284-R		360-BX				20-300	
284-S		360-EK				30-400	
		310-F (6V)				60-240	TEMPERATURE (Page 11)
284-AF (12V)		82114 (12V)				100-230	
	82306 (12V)		311-HF (12V)			100-240	
						100-250	
284-B	361-CB		361-CA	285-B*	692-E	100-265	
	311-HJ (12V) (82307)					100-270	
284-J (12V)	82307 (12V)	82115 (12V)				100-280	
			311-HC (12V)			100-325	
						140-275	
284-K (12V) 284-C	82308 (12V) 361-CC			285-C*	442057	140-320 140-325	
284-AK (12V)							CYLINDER HEAD (Page 14)
284-F				285-F*			PRESS-VAC (Page 14)
284-AH	355-BM	82117		285-J*	355-B	0-30	VACUUM (Page 13)
284-M (12V)	82303 (12V)	82111(12V) 300-B (6V)	301-CL (12V)		616-B (12V)		FUEL (Page 13)
82300					82400		MOTOR MINDER (Page 14)
284-AL (12V)							CLOCK (Page 14)

†Label designates applicability of style shown to mechanical or electrical gauges

*Subject to field stock availability

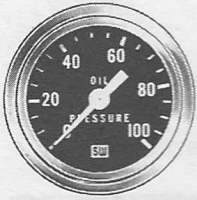
**3 3/8" diameter case, bright chrome bezel

GAUGES

PRESSURE

DELUXE MECH. PRESS. GAUGES

Includes lighting kit, mounting brackets and instructions. (Tubing Kits must be ordered separately—see page 19.)



Type	Range	2-1/16"	2-5/8"
OIL	5-80	360-JB	—
	5-100	360-JC	691-CB
	10-150	—	691-DB
	10-200	360-JD	—
FUEL	1-10	360-HY-1	—
	1-15	—	82405
	2-30	360-HZ*	—
	10-200	360-JE*	—
AIR	10-150	360-DE*	691-FB 368-P#
DRIVE	20-300	360-BX†	—
OIL	25-400	360-EK†	—
MANIFOLD	2-30	360-JA	—

*Lighting Kit not included—see page 19.

†Brass Case.

#3-3/8" Diameter Case.

DELUXE ELEC. PRESS. GAUGES

Includes lighting kit, mounting brackets and instructions. (Senders must be ordered separately—see pages 20-22.)



Type	Range	Voltage	2-1/16"
OIL	0-80	6V, PS, NG, GD	825-87†
	0-80	12V, NG, GD	82284
	0-80	12V, NG, GD	82212†
	0-100	12V, NG, GD	82285
	0-100	12V, NG, GD	82213†

*Lighting Kit not included—see page 19.

†Brass Case.

HEAVY DUTY MECH. PRESS. GAUGES

Includes mounting brackets and instructions. (Lighting Kits and Tubing Kits must be ordered separately—see page 19.)



Type	Range	2-1/16"	2-5/8"
OIL	5-100	284-D	285-D**
	10-200	284-P	—
TRANS	20-300	284-R	—
	30-400	284-S	—
AIR	10-150	284-N	285-H**
FUEL	1-15	284-E	285-E**

**Subject to field availability.

HEAVY DUTY ELEC. PRESS. GAUGES

Includes mounting brackets and instructions. (Lighting Kits and Senders must be ordered separately—see pages 19 & 20-22.)



Type	Range	Voltage	2-1/16"
OIL	0-80	12V, NG, GD	284-WE
	0-100	12V, NG, GD	284-L
AIR	10-150	12V, NG, GD	284-T

STAGE 3 MECH. PRESS. GAUGES

Includes lighting kit, mounting brackets, 72" of tubing with fittings and instructions.



Type	Range	2-1/16" Gauge
OIL	5-100	283-D
FUEL	1-15	283-E

STAGE 3 ELEC. PRESS. GAUGE

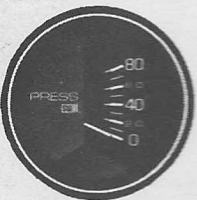
Includes lighting kit, mounting brackets, wire & terminals and instructions. (Sender must be ordered separately—see page 20-22.)



Type	Range	Voltage	2-1/16"
OIL	0-100	12V, NG, GD	283-L

STAGE 2 MECH. PRESS. GAUGES

Includes lighting kit, mounting brackets, 72" of tubing with fittings and instructions



Type	Range	2-1/16" Gauge
PRESS.	0-80	282-C

NOT AVAILABLE
IN STAGE 2.

STAGE 1 MECH. PRESS. GAUGES

Includes mounting brackets, 72" of tubing with fittings and instructions. (Lighting Kits must be ordered separately—see page 19.)



Type	Range	2-1/32" Gauge
PRESS.	0-80	281-D

STAGE 1 ELEC. PRESS. GAUGE

Includes mounting brackets and instructions. (Lighting Kit and Sender must be ordered separately—see pages 19 & 20-22.)



Type	Range	Voltage	2-1/32"
PRESS.	0-80	12V, PS, NG, GD	281-E

CUSTOM/STANDARD MECH. PRESS. GAUGES

Includes lighting kit, mounting bracket and instructions. (Tubing Kits must be ordered separately—see page 19.)



STANDARD

Style	Range	2-1/32" Gauge
B & W	0-10	352-DA**
B & W	0-50	352-AT##
B & W	0-80	352-AW##
B & W	0-80	352-CX
B & W	0-100	352-AY##
Custom	0-80	352-EJ



CUSTOM

##Cannot be lighted.

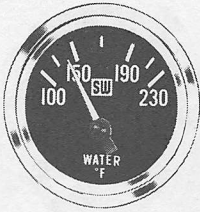
**Subject to field availability.

TEMPERATURE

GAUGES

DELUXE ELEC. TEMP. GAUGES

Includes lighting kit, mounting brackets and instructions. (Senders must be ordered separately—see pages 20-23.)



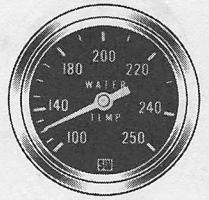
Type	Range	Voltage	2-1/16"
WATER	60-240	6V, PS/NG GD	310-F†
	100-240	12V, NG GD	82306
	100-230	12V, NG GD	82114†
	100-280	12V, NG GD	82307
OIL	110-280	12V, NG GD	82115†
	140-320	12V, NG GD	82308

*Lighting Kit not included—see page 19.
†Brass Case.

DELUXE MECH. TEMP. GAUGES

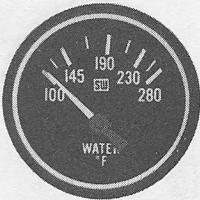
Includes lighting kit, mounting brackets, instructions, 1/2" adapter nut and a length of tubing. The number after the base model number equals the length of tubing supplied with gauge. See page 19 for adapter nuts.

Type	Range	Case Dia.	Gauge Nos.			
WATER	100-265	2-1/16"	361-CB-48", -60", -72", -96", -120", -144", -216", -288", -360".			
			100-265	2-5/8"	692-E-60", -72" or -144".	
			OIL	140-325	2-1/16"	361-CC-60", -72", -96", -144" or -216".
						140-325



HEAVY DUTY ELEC. TEMP. GAUGES

Includes mounting brackets and instructions. (Lighting Kit and Sender must be ordered separately—see pages 19 & 20-23.)

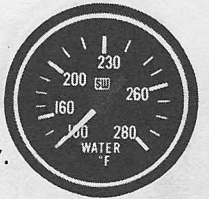


Type	Range	Voltage	2-1/16"
WATER	100-230	12V, NG GD	284-AF
	100-280	12V, NG GD	284-J
OIL	140-320	12V, NG GD	284-K

HEAVY DUTY MECH. TEMP. GAUGES

Includes mounting brackets, instructions, 1/2" adapter nut and a length of tubing. The number after the base model number equals the length of tubing supplied with gauge. See page 19 for adapter nuts. (Lighting Kit must be ordered separately—see page 19.)

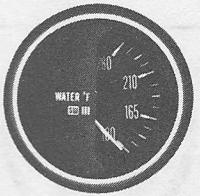
Type	Range	Case Dia.	Gauge Nos.
WATER	100-265	2-1/16"	284-B-36", -72" or -144".
			100-265
OIL	140-325	2-1/16"	284-C-36", -72" or -144".
			140-325



**Subject to field availability.

STAGE 3 ELEC. TEMP. GAUGES

Includes lighting kit, mounting brackets, wire & terminals and instructions. (Senders must be ordered separately—see pages 20-23.)

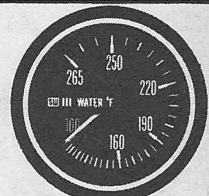


Type	Range	Voltage	2-1/16"
WATER	100-280	12V, NG GD	283-J
OIL	140-320	12V, NG GD	283-K

STAGE 3 MECH. TEMP. GAUGES

Includes lighting kit, mounting brackets, instructions, 1/2" adapter nut and 72" of tubing. See page 19 for adapter nuts.

Type	Range	2-1/16" Gauge
WATER	100-265	283-B
OIL	140-325	283-C

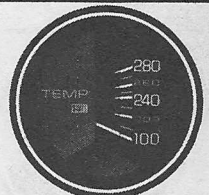


**NOT AVAILABLE
IN STAGE 2.**

STAGE 2 MECH. TEMP. GAUGE

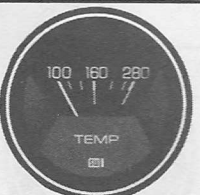
Includes lighting kit, mounting brackets, instructions, 1/2" adapter nut and 72" of tubing. See page 19 for adapter nuts.

Type	Range	2-1/16" Gauge
TEMP.	100-280	282-B-72



STAGE 1 ELEC. TEMP. GAUGE

Includes mounting brackets and instructions. (Lighting Kit and Sender must be ordered separately—see pages 19 & 20-23.)

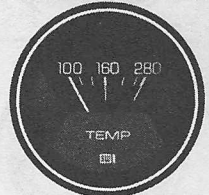


Type	Range	Voltage	2-1/16"
TEMP.	100-280	12V, PS/NG GD	281-C

STAGE 1 MECH. TEMP. GAUGE

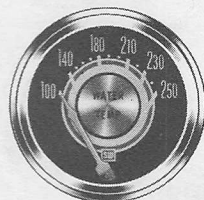
Includes mounting brackets, instructions, 1/2" adapter nut and 72" of tubing. See page 19 for adapter nuts. (Lighting Kit must be ordered separately—see page 19.)

Type	Range	2-1/32" Gauge
TEMP.	140-275	281-B-72



CUSTOM/STANDARD MECH. TEMP GAUGES

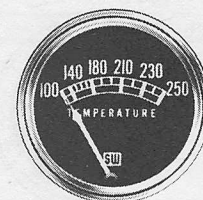
Includes mounting brackets, instructions, 1/2" adapter nut and a length of tubing. The number after the base model number equals the length of tubing supplied with gauge. See page 19 for adapter nuts. (Lighting Kit must be ordered separately—see page 19.)



CUSTOM

Style	Range	Gauge Numbers
B & W	100-250	##356-AJ-36", -48", -60", -72" or -144". 356-BW-60" or -72".
B & W	100-250	366-C-48"—includes radiator hose connec- tion & fitting.
Custom	100-250	356-CX-60"

##Cannot be lighted.



STANDARD

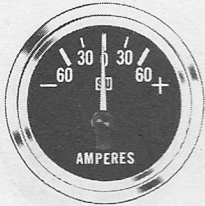
GAUGES

AMMETER

VOLTMETER

DELUXE AMMETERS

Includes lighting kit, mounting brackets and instructions.



Range	2-1/16" Steel	2-1/16" Brass	2-5/8" Steel
30-0-30	82310 359-EM**	—	—
60-0-60	82311 359-EN**	82108 82109†	82404 690-C**
100-0-100	82313 369-AX**	82110††	—

**Subject to field availability.
†Requires Remote Shunt 813489—please order separately.
††Requires Remote Shunt 407616—please order separately.

DELUXE VOLTMETERS

Includes lighting kit, mounting bracket and instructions.

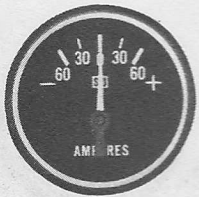


Range	Voltage	2-1/16" Gauge
10-16	12V, NG GD 12V, NG GD	82385 82112†

†Brass case.

HEAVY DUTY AMMETERS

Includes mounting brackets and instructions. (Lighting Kit must be ordered separately—see page 19.)



Range	2-1/16"	2-5/8"
60-0-60	284-A 284-AB†	285-A**
100-0-100	284-AA††	—
150-0-150	284-AD†††	—

**Subject to field availability.
†Requires Remote Shunt 813489—please order separately.
††Requires Remote Shunt 407616—please order separately.
†††Requires Remote Shunt 413717—please order separately.

HEAVY DUTY VOLTMETERS

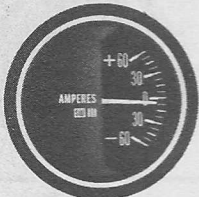
Includes mounting bracket and instructions. Meters Volts DC. (Lighting Kit must be ordered separately—see page 19.)



Range	Voltage	2-1/16" Gauge
10-16	12V, NG GD	284-H
20-32	24V, NG GD	284-J

STAGE 3 AMMETERS

Includes lighting kit, mounting brackets and instructions.



Range	2-1/16" Gauge
60-0-60	283-A

STAGE 3 VOLTMETER

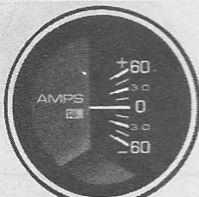
Includes lighting kit, mounting brackets, instructions and wire & terminals.



Range	Voltage	2-1/16" Gauge
10-16	12V, NG GD	283-H

STAGE 2 AMMETER

Includes lighting kit, mounting brackets and instructions.

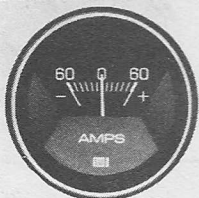


Range	2-1/16" Gauge
60-0-60	282-A

NOT AVAILABLE
IN STAGE 2.

STAGE 1 AMMETER

Includes mounting bracket and instructions. (Lighting Kit must be ordered separately—see page 19.)



Range	2-1/32" Gauge
60-0-60	281-A

STAGE 1 VOLTMETER

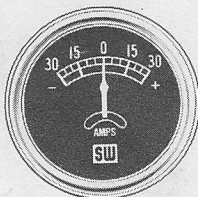
Includes mounting brackets and instructions. (Lighting Kit must be ordered separately—see page 19.)



Range	Voltage	2-1/32" Gauge
10-16	12V, PS, NG GD	281-H

CUSTOM/STANDARD AMMETERS

Includes mounting bracket and instructions. (Lighting Kit must be ordered separately—see page 19.)



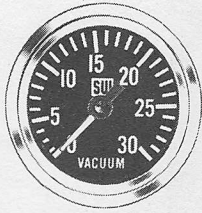
STANDARD

Range	Standard	Custom
20-0-20	82201 357-W##**	—
30-0-30	82200 357-N##** 357-DB**	—
60-0-60	357-BL 82202 357-X##**	357-DP

##Cannot be lighted.
**Subject to field availability.



CUSTOM



DELUXE MECH. VACUUM GAUGES

Includes lighting kit, mounting brackets and instructions. Measures vacuum in inches of mercury. (Tubing Kit must be ordered separately—see page 19.) Adapter Tee 826956 can be used to splice into vacuum hose—order separately.

Range	2-1/16"	2-5/8"
2-30	355-BM 82117+	355-B*

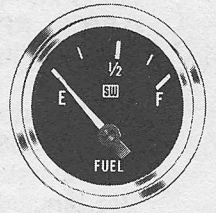
*Lighting Kit not included—see page 19.
+Brass Case.

DELUXE ELEC. FUEL LEVEL GAUGES

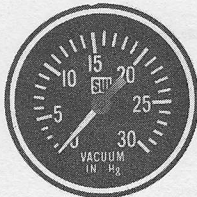
Includes lighting kit, mounting brackets and instructions. (Senders must be ordered separately—see page 19.)

Voltage	2-1/16"	2-5/8"
6V, NG GD	300-B	—
12V, PS,NG GD	—	616-B*
12V, NG GD	82303 82111+	—

*Lighting Kit not included—see page 19.
+Brass case.



SEE MOTOR MINDER GAUGES ON PAGE 14



HEAVY DUTY MECH. VACUUM GAUGES

Includes mounting brackets and instructions. Measures vacuum in inches of mercury. (Lighting Kit and Tubing Kit must be ordered separately—see page 19.) Adapter Tee 826956 can be used to splice into vacuum hose—order separately.

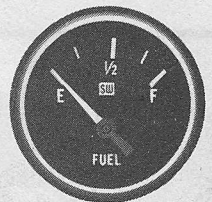
Range	2-1/16"	2-5/8"
2-30	284-AH	285-J**

**Subject to field availability.

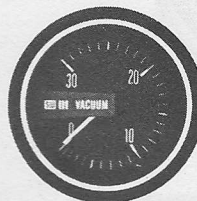
HEAVY DUTY ELEC. FUEL LEVEL GAUGE

Includes mounting brackets and instructions. (Lighting Kits and Senders must be ordered separately—see page 19.)

Voltage	2-1/16" Gauge
12V, NG GD	284-M



SEE MOTOR MINDER GAUGES ON PAGE 14



STAGE 3 MECH. VACUUM GAUGE

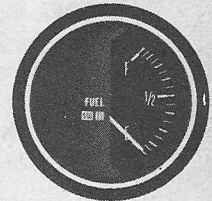
Includes lighting kit, mounting brackets, instructions and 72" of tubing with fittings. Adapter Tee 826956 can be used to splice into vacuum hose—order separately.

Range	2-1/16" Gauge
2-30	283-F

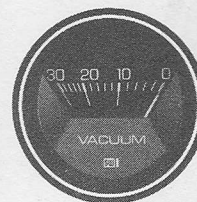
STAGE 3 ELEC. FUEL LEVEL GAUGE

Includes lighting kit, mounting brackets, instructions and wire & terminals. (Senders must be ordered separately—see page 19.)

Voltage	2-1/16" Gauge
12V, NG GD	283-M



SEE MOTOR MINDER GAUGES ON PAGE 14



STAGE 1 MECH. VACUUM GAUGE

Includes mounting brackets, instructions and 72" of tubing with fittings. (Lighting Kit must be ordered separately—see page 19.) Adapter Tee 826956 can be used to splice into vacuum hose—order separately.

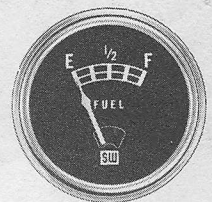
Range	2-1/32" Gauge
0-30	281-F

STANDARD ELEC. FUEL LEVEL GAUGE

Includes mounting brackets and instructions. (Sender must be ordered separately—see page 19.)

Voltage	2-1/32" Gauge
12V	378-P##

##Cannot be lighted.



SEE MOTOR MINDER GAUGES ON PAGE 14

GAUGES

TACH/GAUGE KITS / CLOCK MOTOR MINDER / SPECIAL GAUGES

Three complete tach/gauge kits for popular 4 cylinder domestic and import cars.

MODEL 366-WA

For Pinto-Capri-Vega Includes 0-8000 RPM, 12V tach; Oil Press, Voltmeter, Water Temp Gauges; Temp Sender; Light kits; housing; installation kit.

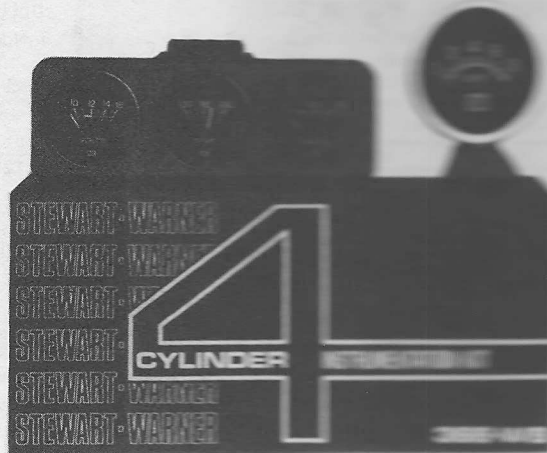
MODEL 366-WB

For Datsun-Toyota-Colt-Pinto-Vega Includes 0-8000 RPM, 12V tach; Voltmeter and Oil Press gauges; light kits; housing; Installation kit.

MODEL 366-WC

For Volkswagen-Porsche-Audi-Pinto-Vega Includes 0-8000 RPM, 12V tach; Voltmeter and Oil Press gauges; Press sender; light kits; housing.

TACH/GAUGE KITS For 4 Cylinder Cars



An accurate and reliable instrument which helps drivers maximize fuel economy. Color segmented dial tells driver when he is wasting gas and also tells him when he is maximizing fuel economy.

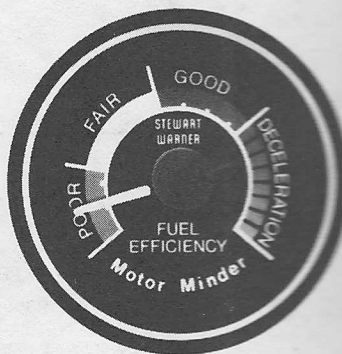
MODEL 82300

Includes 2 1/16" diameter gauge with black bezel, Installation kit, light kit and instruction.

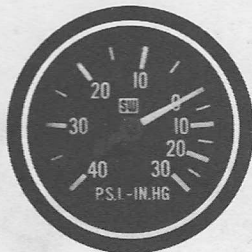
MODEL 82400

Includes 2 5/8" diameter gauge with chrome bezel, Chrome mounting panel, installation kit, light kit, and instructions.

MOTOR MINDER KITS



SPECIAL GAUGES



PRESSURE/VACUUM

40PSI-0-30" Hg, Internal lighting, mounting clamp

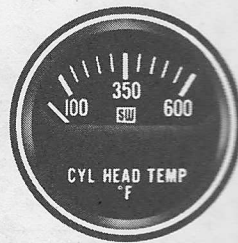
2 1/16" dia.

284-F

2 5/8" dia.

285-F*

*Subject to field stock availability.



CYLINDER HEAD TEMP

100°-600°, Internal lighting

Mount Clamp 284-AK

2 1/16" dia.

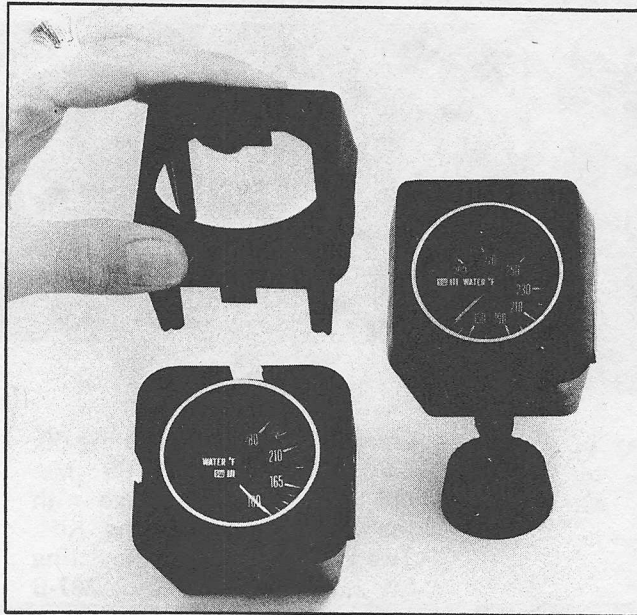
Requires Sender 280-EK



CLOCK

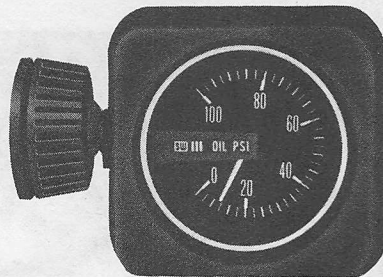
12VDC Clock, light kit, 2 1/16" dia.

284-AL



Prepackaged Kits

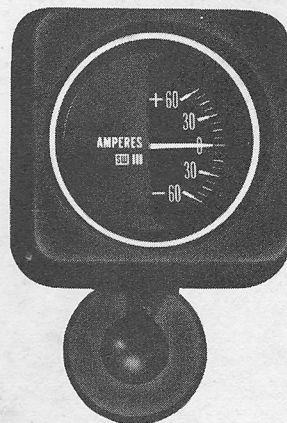
Complete gauge/housing kits include a Stage III Gauge, Installation Kit, Lighting Kit, and Module Mounting housing. Gauge is easily installed in textured black permanent high impact Noryl® Module housing. Modules may be connected in clusters to meet design requirements of vehicle. Adjustable mounting foot allows gauge to be mounted on minimum area flat surface.



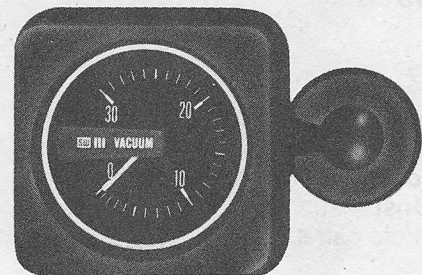
OIL PRESSURE Gauge Module Kit including: 0-100 PSI Mechanical Oil Pressure Gauge & Installation Kit, Module Mounting, Lighting Kit **288-C**



TEMPERATURE Gauge, 12V Neg Grd. Module Kit including: 100°-280° Temperature Gauge and Sender Kit, Module Mounting, Wire and Terminals, Lighting Kit **288-E**



AMMETER Module kit including: 60-0-60 Ammeter, Module, Mounting, Lighting Kits **288-B**

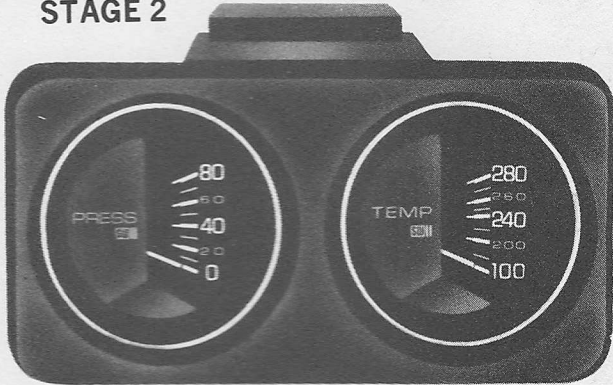


VACUUM Gauge Module Kit including: 0-30" Vacuum Gauge and Installation Kit, Module Mounting, Lighting Kit . **288-D**

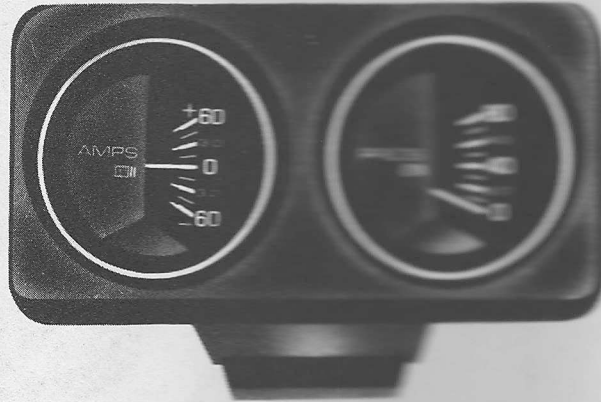
PANELS

ASSEMBLED TWO GAUGE PANELS

STAGE 2

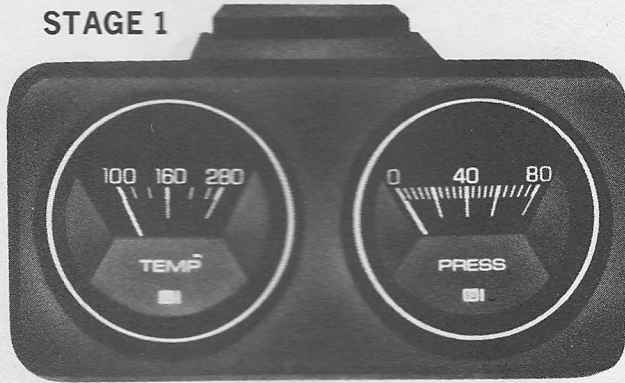


Gauge-Housing Kit including:
0-80 PSI Mechanical Pressure
Gauge with Installation Kit,
100°-280° Mechanical Tempera-
ture Gauge with 72" Tubing
and 1/2" Adapter, Two-Hole
Housing, Mounting and Light
Kit 287-C



Gauge-Housing Kit including 60-
0-60 Ammeter, 0-80 PSI Me-
chanical Pressure Gauge with
Installation Kit, Lighting Kits,
Two-Hole Housing, Mounting
Kit 287-B

STAGE 1



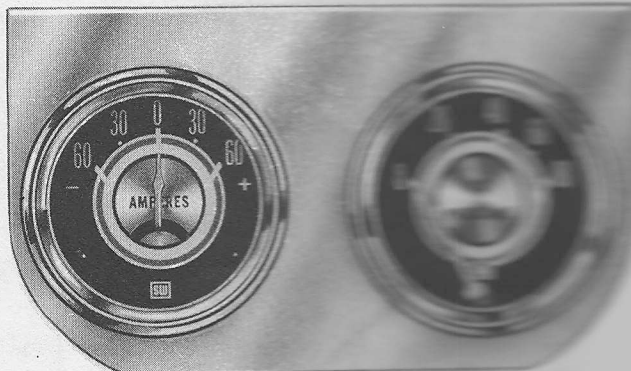
Gauge-Housing Kit including:
0-80 PSI Mechanical Pressure
Gauge with Installation Kit 12V
100°-280° Electric Temperature
Gauge for 12V Neg/Pos
Ground, Temperature Sender.
Two Hole-Housing Light &
Mounting Kits 286-C



Gauge-Housing Kit including 60-
0-60 Ammeter 0-80PSI Mecha-
nical Pressure Gauge with Instal-
lation Kit, Two-Hole Housing,
Light & Mounting Kits... 286-B

CUSTOM

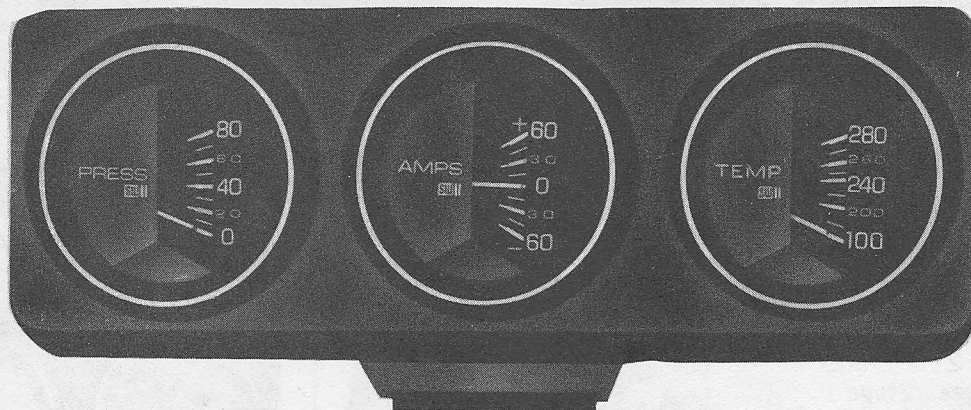
Gauge-Panel Kit including: 60-
0-60 Ammeter, 0-80 PSI Me-
chanical Oil Pressure Gauge,
Installation kit, Light Kit, two-
hole panel. 366-MK



ASSEMBLED THREE GAUGE PANELS

PANELS

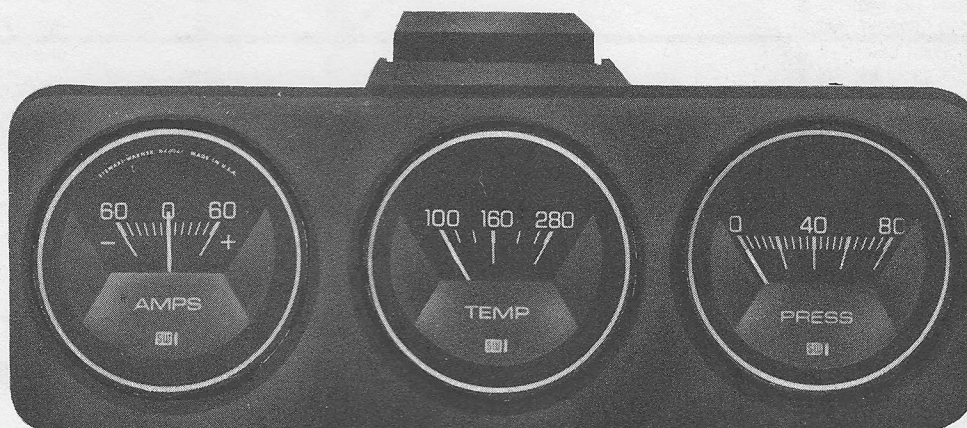
STAGE 2



Gauge-Housing kit including:
60-0-60 Ammeter, 0-80 PSI
Mechanical Pressure Gauge
with Installation Kit, 100 °-280°
Mechanical Temperature

Gauge, with 72" tubing and
1/2" Adapter, Three-Hole Housing,
Light & Mounting Kits
..... **287-D**

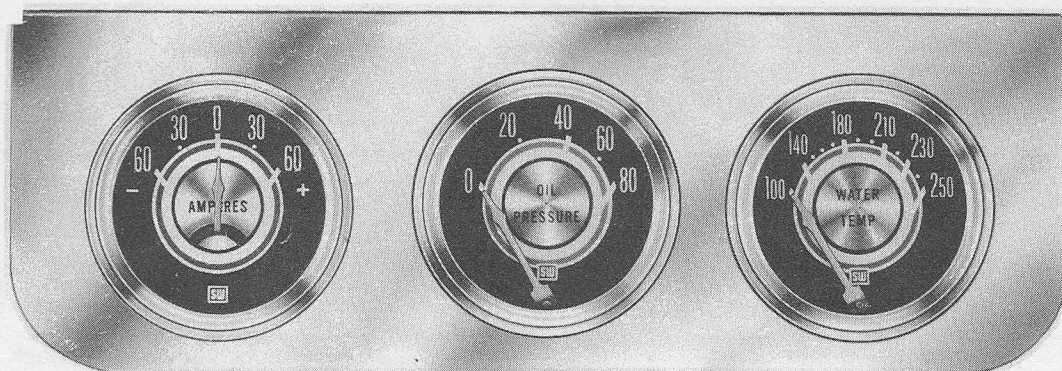
STAGE 1



Gauge-Housing Kit including:
60-0-60 Ammeter, 0-80 PSI
Mechanical Pressure Gauge
and Installation Kit, 100 °-280°
Electric Water Temperature

Gauge, 12V Neg/Pos Ground,
Temperature Sender Kit, Three-
Hole Housing, Light & Mounting
Kits **286-D**

CUSTOM



Gauge-Panel Kit including: 60-
0-60 Ammeter, 0-80 PSI Me-
chanical Oil Pressure Gauge,
100°-250° Mech. Water Temper-

ature Gauge with 60" Tubing,
1/2" Adapter, Installation Kit,
Light Kit and 3-hole Panel
..... **366-MJ**

PANELS

MOUNTING

High impact Noryl® black plastic. Minimum flat area required for mounting.

Module Mounting Kit

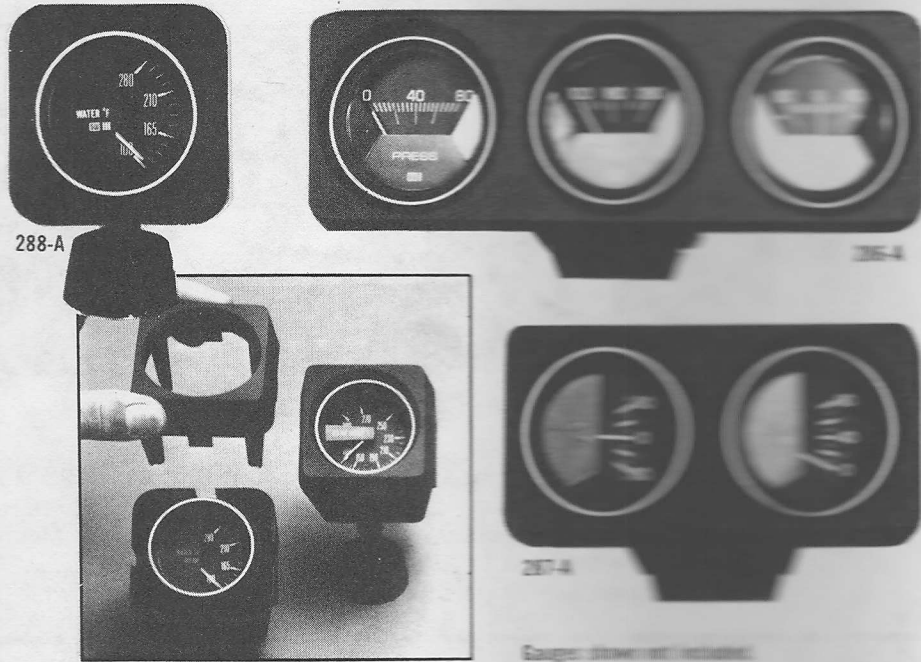
Used with Stage 3, Stage 2, 2 1/16" Dia Heavy Duty, 2 1/16" Dia. Deluxe gauges. Includes Mounting foot 288-A
Module as above less mounting foot 288-F

2 Hole Housing

Used with all gauge lines except Standard/Custom 2 1/32" and 2 5/8" diameter gauges. (Stage 1 gauges requires lamp/socket kit 366-SW) 287-A

3 Hole Housing

Used with all gauge lines except Standard/Custom 2 1/32", and 2 5/8" diameter gauges. (Stage 1 gauges requires lamp/socket kit 366-SW) 286-A



DIE CAST PANELS

(Black or Wood Grain)

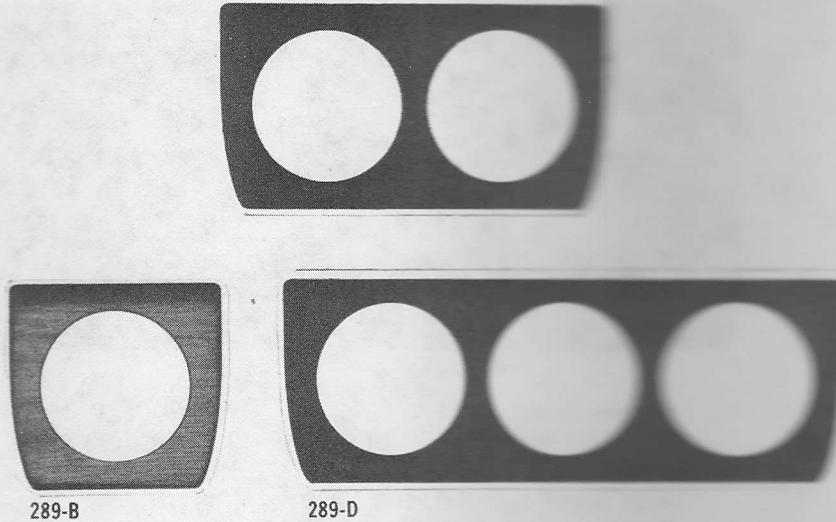
Suede black finish, die-cast panel used with all gauge lines except 2 5/8" diameter gauges.

Woodgrain adhesive panel overlay is provided.

1 Hole Panel and Overlay 289-B

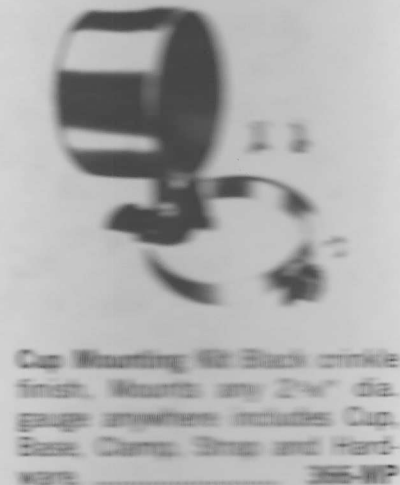
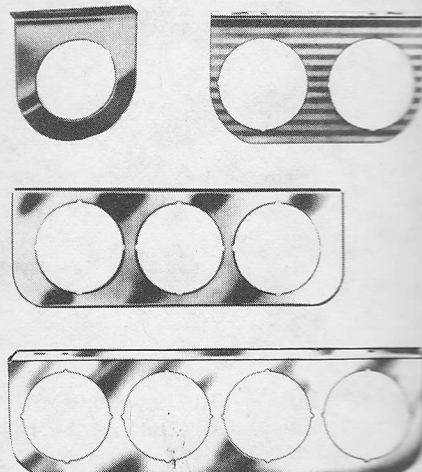
2 Hole Panel and Overlay 289-C

3 Hole Panel and Overlay 289-D



Bright Chrome & Striped Chrome Steel Panels

No. of Gauges	Panel Finish	Lighting Bracket	Catalog No.
For 2 1/16 & 2 1/32 Dia. Gauges			
1	bright	no	817825
1	striped	no	811658*
1	black	no	428122-2
2	bright	yes	814143
2	striped	yes	811196*
3	bright	yes	811653
4	bright	yes	813878
For 2 5/8 Dia. Gauges			
1	striped	no	811659
2	bright	no	813877
3	bright	no	813642



*Subject to field stock availability.

FOR VACUUM, PRESSURE & FUEL LEVEL GAUGES

SENDERS LIGHT KITS

TUBING KITS FOR MECHANICAL PRESSURE OR VACUUM GAUGES

No. 366-FF—For installing mechanical oil pressure gauges and vacuum gauges with 1/8" p.t. connection.

Contents of Kit

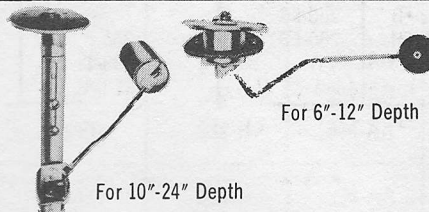
- A. Coupling with 1/8" Int. P.T.
- B. Six (6) feet 1/8" Nylon tubing.
- C. Coupling with 1/8" Ext. P.T.
- D. Adapter for 1/4" P.T. oil gallery.
- E. Instruction sheet.

No. 366-HM—Same as No. 366-FF except with 16' of tubing for rear engine cars.

Note: For Metric and Japanese cars see 366-ST and 825612

SENDERS FOR FUEL LEVEL GAUGES

Description	6-Volt	12-Volt
6"-12" depth; LH arm	384-B	385-B
6"-12" depth; RH arm	384-C	385-C
10"-15" depth; LH arm		391-A
10"-15" depth; RH arm		391-B
15 1/2"-24" depth; LH arm		391-C
15 1/2"-24" depth; RH arm		391-D



NOTE: For new installations of a Fuel Level Sender (Tank Unit), order Installation Kit No. 366-LP which contains the following parts: 1—No. 93310 Flange; 5—No. 79295 Screws; 1—No. 72030 Gasket; 5—No. 61463 Washers.

CHOOSING FUEL LEVEL SENDERS

The holes in the tank unit bracket plate are not evenly spaced. The distance between two of the holes is greater than between any other two. When viewing the bracket plate, with the widely separated holes nearest you, the float arm will swing left if it is a left hand tank unit or right if it is a right hand tank unit. If there is more room in the tank to the left of the tank unit mounting location, use a tank unit that swings to the left and vice versa.

LIGHTING KITS

Gauge Series	Size	Individual Mount		Non-Metallic Panels		Module 288-A 288-F	Metal—Panels	
		Metal Panel	Non-Metallic Panel	286-A† 2 1/32-2 1/16	287-A 2 1/32-2 1/16		289-B, C, D, 814143 811653†, 813878† 2 1/32-2 1/16	813877 813642 2%
Stage 1	2 1/32	366-CH	366-CH	366-SW	366-SW	N/A	366-CH	N/A
Stage 2 (366-FK Inc.)	2 1/16	Std.	Std.	Std.	Std.	366-SY*	Std.	N/A
Stage 3 (366-SY Inc.)	2 1/16	Std.	Std.	Std.	Std.	Std.	Std.	N/A
Heavy Duty	2 1/16	366-FK	366-FK	366-FK	366-FK	366-FK	366-FK	N/A
Heavy Duty	2 5/8	366-FK	366-FK	N/A	N/A	N/A	N/A	366-FK
Custom—Std. Amps Oil-Temp.	2 1/32	366-CH 366-CH	366-SX 366-CH	N/A N/A	N/A N/A	N/A N/A	366-CH 366-CH	N/A N/A
Black/White Std. Amps Oil-Temp.	2 1/32	366-CH 366-CH	366-SX 366-CH	N/A N/A	N/A N/A	N/A N/A	366-CH 366-CH	N/A N/A
Deluxe (366-FK Inc.) Amps Other Changes	2 1/16	Std. Std.	366-SX Std.	366-SX Std.	366-SX Std.	366-SX 366-SY*	Std. Std.	N/A N/A
Deluxe	2 5/8	366-FK	366-FK	N/A	N/A	N/A	N/A	366-FK

For marine usage Kit #366-SZ is recommended instead of 366-FK.

*366-FK may be used, however the light socket will protrude from the rear.

†Requires one lighting kit for two gauges.

KIT CONTENTS

- 366-CH — includes 366-FK & bracket
- 366-FK — one wire 5/8 socket & 12 volt bulb #57
- 366-SW — two wire 1/2 socket & 12 volt #GE1891
- 366-SX — two wire 5/8 socket & 12 volt bulb # GE1891
- 366-SY — one wire 5/8 socket short & 12 volt bulb # GE158
- 366-SZ — same as 366-FK except plastic socket



SENDERS SWITCHES

TEMPERATURE

(See Important Note)

TEMPERATURE SENDERS

Cross Reference for Replacement of Stewart-Warner O.E.M.

O.E.M. No.	S-W No.	O.E.M. No.	S-W No.	O.E.M. No.	S-W No.
334-F	280-EC	362-AE	362-AJ	362-DC	362-BK
334-J	280-EE	362-AK	362-AJ	362-DD	362-AN
334-S	280-EE	362-AL	362-DA	362-DK	362-AH
334-T	280-EH	362-AP	362-BH	362-DL	362-AJ
334-W	280-EC	362-AS	362-BK	362-DM	362-AD
334-Z	280-ED	362-AU	362-AH	362-DT	362-AD
334-AE	280-ED	362-AX	362-AD	362-DW	362-AD
334-AH	334-R	362-AY	362-W	362-DX	362-BD
334-AM	334-L	362-BE	362-DA	362-EH	362-DA
334-AR	280-ED	362-BL	362-AN	362-EJ	280-EB
362-P	362-AH	362-BM	362-BH	362-ER	280-EA
362-S	362-AM	362-BR	362-BH	362-ES	280-EA
362-V	362-BH	362-BX	362-AH	362-ET	280-EB
362-X	362-AH	362-CK	362-BK	362-FB	280-EB
362-Y	362-AD	362-CT	362-AH	362-FH	280-ED
362-Z	362-W	362-CW	362-CZ		
362-AA	362-DA	362-DB	362-CL		

TEMPERATURE SWITCHES—Series 363—For Warning Lights

Temperature	Thermal No.	W	W'
200°	363-D	363-E	363-F
225°	363-AM	---	363-G
250°	363-C	---	363-W
120°-250°*	---	---	363-AD

*Double Switch

TEMPERATURE SWITCHES

Cross Reference for Replacement of Stewart-Warner O.E.M.

O.E.M. No.	S-W No.	O.E.M. No.	S-W No.
363-H	363-F	43804P	363-F
363-J	363-F	43801	363-E
363-N	363-E	43804	363-F
363-P	363-F	43807	363-F
363-T	363-F	43806	363-E
363-AL	363-D		

SENDERS SWITCHES

PRESSURE

(See Important Note)

PRESSURE SENDERS

Cross Reference for Replacement of Stewart-Warner O.E.M.

O.E.M. No.	S-W No.	O.E.M. No.	S-W No.
353-C	353-E	353-AJ	279-A
353-D	353-K	353-AW	279-A
353-R	279-A	353-BA	279-A
353-S	279-B	353-BE	279-B
353-Y	279-A	353-BL	279-C
353-AE	279-A	353-BY	279-A
353-AG	353-K	353-CE	279-C

PRESSURE SWITCHES—Series 364—For Warning Lights

	6 LB.	15 LB.	15 LB.	40 LB.	60 LB.
1/8"	364-L	364-M	364-N	43807E	43807I
1/4"	364-W	364-X			
1/2"	364-L				

PRESSURE SWITCHES

Cross Reference for Replacement of Stewart-Warner O.E.M.

O.E.M.	S-W No.	O.E.M. No.	S-W No.
364-H	364-L	364-E	364-K
364-B	364-L	364-F	364-T
364-P	364-L	364-W	364-K
364-V	364-L	364-W	364-L
364-Y	364-L	364-W	364-L
364-AM	364-W		

IMPORTANT NOTE: The senders on this page are for use with gauges manufactured by Stewart-Warner. They are not for use with gauges made by any other company.

Stewart-Warner Manufactured Instruments will provide system accuracy only when used with Stewart-Warner Senders. Do not use Stewart-Warner Instruments with senders of other than Stewart-Warner origin as accuracy will be adversely affected.

SIGNAL LIGHT

For use with any Pressure Temperature Switch

No. 41789 for 12-volt systems

No. 42012 for 24-volt systems

TEMPERATURE / PRESSURE

(See Important Note)

SENDERS

ELECTRIC TEMPERATURE SENDER SELECTION CHART

Gauge Number	Style	Range—Type	Univ. (1/8, 1/4 3/8 or 1/2 PT)	1/8 PT	1/4 PT	3/8 PT	1/2 PT	Drain Plug 1/2"-20	Univ. Metric
281-C	Stg 1	100-280 O or W	280-EA	362-CZ	362-AN	362-AJ	362-AH	—	—
283-J	Stg 3	100-280 Water	280-ED	334-H	334-AA	334-AB	334-AD	—	280-EJ
283-K	Stg 3	140-320 Oil	280-EE	—	—	—	—	280-EH	—
284-J	HD	100-280 Water	280-ED	334-H	334-AA	334-AB	334-AD	—	280-EJ
284-K	HD	140-320 Oil	280-EE	—	—	—	—	280-EH	—
284-AF	HD	100-230 Water	280-EC	—	334-N	334-P	334-R	—	—
284-AK	HD	100-320 Cyl Hd	280-EK	—	—	—	—	—	—
310-F*	Deluxe	60-270 Water	—	—	362-AM	362-B	362-J	—	—
311-HC	Truck	100-325 Oil	280-EB	—	—	—	362-DA	—	—
311-HF	Truck	100-240 Water	280-EA	362-CZ	362-AN	362-AJ	362-AH	—	—
82114	Deluxe	100-230 Water	280-EA	362-CZ	362-AN	362-AJ	362-AH	—	—
82115	Deluxe	100-280 Oil	280-ED	334-H	334-AA	334-AB	334-AD	—	280-EJ
82005	B & W	100-280 Water	280-ED	334-H	334-AA	334-AB	334-AD	—	280-EJ
82306	Deluxe	100-240 Water	280-EA	362-CZ	362-AN	362-AJ	362-AH	—	—
82307	Deluxe	100-280 Water	280-ED	334-H	334-AA	334-AB	334-AD	—	280-EJ
82308	Deluxe	140-320 Oil	280-EE	—	—	—	—	280-EH	—

*6V. All other senders are 12V.

RESISTORS FOR SPECIAL VOLTAGES

	To adapt 12V gauge for use with 24VDC power source.	To adapt 12V gauge for use with 32VDC power source.
For 12V Gauge with Bi-Torque mechanisms (including Stg 3, HD and 82000 series Deluxe).	408023	821988
For 12V Gauges in 281, 301, 306 or 311 Series (including Stg 1 and Truck).	428989	417813

TEMPERATURE GAUGE ADAPTER NUTS FOR MECHANICAL GAUGES

Outside Thread	Min. I.D.	Part No.
*1/4" P.T.	.3860"	428819 (Steel) **
3/8" P.T.	.4375"	408550 (Brass)
3/8" P.T.	.4375"	72446 (Steel) **
1/2" P.T.	.4375"	90567 (Brass) **
1/2" P.T.	.5000"	412208 (Brass)
5/8"-18	.4531"	95527 (Brass) **



*For tubing less than 120" in length.

**The above nuts are found in 366-NK Kit.

SENDERS FOR ELECTRIC PRESSURE GAUGES

Range	Voltage	Part No.
0-80	6V	353-E
	12V	279-A
	12V	353-Z (Brass)
0-100	12V	279-B
0-150	12V	279-C

GAUGE SENDERS

APPLICATION CHART

(See Important Note)

Model Year	Thread Size in Inches			Pressure		Temperature		Temperature				Temperature	
				306 Series (Std.) 281 283-284 Series 82000 Series		281 Series (Stage 1)		283-284 Series-NG. GD. (Stage 3) (HD.) 82000 Series				82000 Series	
	Oil PSI	Wat Temp	Std Drain Plug	Oil PSI		Wat Temp 100-280°	Wat Temp Univ Kit 100-280°	Indiv Wat Temp 100-280°	Temp Univ Kit 100-280°	Temp Univ Kit 140-320°	Drain Plug 1/4" Std 140-320°	Temp 100-230° 100-240°	Temp Univ Kit 100-230° 100-240°
				0-80	0-100								
General Motors													
Buick													
1976-1967	1/4-18	1/2-14	1/2 Std	279A	279B	362AH	280EA	334AD	280ED	280EE	280EH	362AH	280EA
1966-1963	1/4-18	1/2-14	1/2 Std	279A	279B	362AH	280EA	334AD	280ED	280EE	280EH	362AH	280EA
	1/8-27			279A	279B	362AH	280EA	334AD	280ED	280EE	280EH	362AH	280EA
1962	1/8-27	1/2-14	1/2 Std	279A	279B	362AH	280EA	334AD	280ED	280EE	280EH	362AH	280EA
Cadillac													
1972-1962	1/4-18	1/2-14	3/8 Std	279A	279B	362AH	280EA	334AD	280ED	280EE	—	362AH	280EA
Chevrolet													
1976-1964	1/8-27	1/2-14	1/2 Std	279A	279B	362AH	280EA	334AD	280ED	280EE	280EH	362AH	280EA
1963-1962	1/4-18	1/2-14	1/2 Std	279A	279B	362AH	280EA	334AD	280ED	280EE	280EH	362AH	280EA
	1/8-27			279A	279B	362AH	280EA	334AD	280ED	280EE	280EH	—	—
Oldsmobile													
1976-1962	1/8-27	1/2-14	1/2 Std	279A	279B	362AH	280EA	334AD	280ED	280EE	280EH	362AH	280EA
Pontiac													
	1/8-27	1/2-14	1/2 Std	279A	279B	362AH	280EA	334AD	280ED	280EE	280EH	362AH	280EA
Ford Motor Co.													
Ford													
197-1967	1/4-18	3/8-18	1/2 Std	279A	279B	362AJ	280EA	334AB	280ED	280EE	280EH	362AJ	280EA
1966-1965	1/4-18	3/8-18	1/2 Std	279A	279B	362AJ	280EA	334AB	280ED	280EE	280EH	362AJ	280EA
		1/8-27		279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	280EA
1964-1963	1/4-18	1/8-27	1/2 Std	279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	280EA
		1/4-18		279A	279B	362AN	280EA	334AA	280ED	280EE	280EH	362AN	—
1962	1/4-18	1/4-18	1/2 Std	279A	279B	362AN	280EA	334AA	280ED	280EE	280EH	362AN	280EA
Mustang													
1973-1967	1/4-18	3/8-18	1/2 Std	279A	279B	362AJ	280EA	334AB	280ED	280EE	280EH	362AJ	280EA
1966	1/4-18	3/8-18	1/2 Std	279A	279B	362AJ	280EA	334AB	280ED	280EE	280EH	362AJ	280EA
		1/8-27		279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	—
1965	1/4-18	1/8-27	1/2 Std	279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	280EA
T-Bird													
1976-1967	1/4-18	3/8-18	1/2 Std	279A	279B	362AJ	280EA	334AB	280ED	280EE	280EH	362AJ	280EA
1966-1964	1/4-18	3/8-18	1/2 Std	279A	279B	362AJ	280EA	334AB	280ED	280EE	280EH	362AJ	280EA
		1/8-27		279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	—
1963	1/4-18	1/8-27	1/2 Std	279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	280EA
		1/4-18		279A	279B	362AN	280EA	334AA	280ED	280EE	280EH	362AN	—
1962	1/4-18	1/4-18	1/2 Std	279A	279B	362AN	280EA	334AA	280ED	280EE	280EH	362AN	280EA
Lincoln-Mercury													
1976-1966	1/4-18	3/8-18	1/2 Std	279A	279B	362AJ	280EA	334AB	280ED	280EE	280EH	362AJ	280EA
1965-1964	1/4-18	1/8-27	1/2 Std	279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	280EA
1963	1/4-18	1/8-27	1/2 Std	279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	280EA
		1/4-18		279A	279B	362AN	280EA	334AA	280ED	280EE	280EH	362AN	—
1962	1/4-18	1/4-18	1/2 Std	279A	279B	362AN	280EA	334AA	280ED	280EE	280EH	362AN	280EA
Capri & Pinto													
1600	1/8-27	1/8-27	1/2 Std	279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	280EA
2000	1/8-27	3/8-18	1/2 Std	279A	279B	362AJ	280EA	334AB	280ED	280EE	280EH	—	—
Maverick													
	1/4-18	3/8-18	1/2 Std	279A	279B	362AJ	280EA	334AB	280ED	280EE	280EH	362CZ	280EA
Chrysler Corp.													
Chrysler													
1976-1964	1/8-27	Light 1/2-14 Gauge	1/2 Std	279A	279B	362AH	280EA	334AD	280ED	280EE	280EH	362AH	280EE
		1/8-27		279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	—	—
1963-1962	1/8-27	1/4-18	1/2 Std	279A	279B	362AN	280EA	334AA	280ED	280EE	280EH	362AH	280EE
Dodge Dart*													
1976-1965	1/8-27	Light 1/2-14 Gauge	1/2 Std	279A	279B	362AH	280EA	334AD	280ED	280EE	280EH	362AH	280EE
		1/8-27		279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	—
1964-1962	1/8-27	1/8-27	1/2 Std	279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	280EE
		1/4-18		279A	279B	362AN	280EA	334AA	280ED	280EE	280EH	362AN	—
Plymouth*													
1976-1964	1/8-27	1/8-27	1/2 Std	279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362CZ	280EE
1963-1962	1/8-27	1/4-18	1/2 Std	279A	279B	362AN	280EA	334AA	280ED	280EE	280EH	362AN	280EE
American Motors													
1976-1965 (8 Cyl.)													
	1/8-27	1/8-27	1/4 Std	279A	279B	362CZ	280EA	334H	280ED	280EE	—	362CZ	280EA
	1/8-27	1/8-27	1/2 Std	279A	279B	362CZ	280EA	334H	280ED	280EE	280EH	362AN	280EA
1964-1962	1/8-27	1/4-18	1/2 Std	279A	279B	362AN	280EA	334AA	280ED	280EE	280EH	—	—

Warning Note: Many engines incorporate anti-pollution devices which are actuated by the O.E.M. water temperature switch. **Do Not Replace That Switch.** We suggest oil temp gauge and drain plug 280EH (see above).

APPLICATION CHART

(See Important Note)

GAUGE SENDERS

IMPORTANT NOTE: The senders on this page are for use with gauges manufactured by Stewart-Warner. They are not for use with gauges made by any other company.

Stewart-Warner Manufactured Instruments will provide system accuracy only when used with Stewart-Warner Senders. Do not use Stewart-Warner Instruments with senders of other than Stewart-Warner origin as accuracy will be adversely affected.

	Temperature				Adaptors
	311 Series (Std.)				
	Temp 60-270°	Temp Univ Kit 60-270°	Temp ½-14 100-325°	Temp Univ Kit 100-325°	Wat Temp Mechanical Adapter Nut Where Needed ½ PT Std
	362AH	280EA	362DA	280EB	not needed
	362AH	280EA	362DA	280EB	not needed
	362AH	280EA	362DA	280EB	not needed
	362AH	280EA	362DA	280EB	not needed
	362AH	280EA	362DA	280EB	not needed
	362AH	280EA	362DA	280EB	not needed
	362AH	280EA	362DA	280EB	not needed
	362AH	280EA	362DA	280EB	not needed
	362AH	280EA	362DA	280EB	not needed
	362AH	280EA	362DA	280EB	not needed
	362AH	280EA	362DA	280EB	not needed
	362AJ	280EA	362DA	280EB	72446
	362AJ	280EA	362DA	280EB	72446
	362CZ	280EA	362DA	280EB	—
	362CZ	280EA	362DA	280EB	—
	362AN	—	—	—	428819
	362AN	280EA	362DA	280EB	428819
	362AJ	280EA	362DA	280EB	72446
	362AJ	280EA	362DA	280EB	72446
	362CZ	—	—	—	—
	362CZ	280EA	362DA	280EB	—
	362AJ	280EA	362DA	280EB	72446
	362AJ	280EA	362DA	280EB	72446
	362CZ	—	—	—	—
	362CZ	280EA	362DA	280EB	—
	362AN	—	—	—	428819
	362AN	280EA	362DA	280EB	428819
	362AJ	280EA	362DA	280EB	72446
	362CZ	280EA	362DA	280EB	—
	362CZ	280EA	362DA	280EB	—
	362AN	—	—	—	428819
	362AN	280EA	362DA	280EB	428819
	362CZ	280EA	362DA	280EB	—
	362CZ	280EA	362DA	280EB	72446
	362AH	280EE	362DA	280EB	not needed
	—	—	—	—	—
	362AH	280EE	362DA	280EB	428819
	362AH	280EE	362DA	280EB	not needed
	362CZ	—	—	—	—
	362CZ	280EE	362DA	280EB	—
	362AN	—	—	—	428819
	362CZ	280EE	362DA	280EB	—
	362AN	280EE	362DA	280EB	428819
	362CZ	280EA	362DA	280EB	—
	362AN	280EA	362DA	280EB	—
	—	—	—	—	428819

IMPORTED CAR ADAPTERS

METRIC ELECTRIC SENDER KIT—280-EJ

For use in conjunction with 284-J (HD) or 283-J (Stage III) 100°-280°F. Water Temperature Gauges.

Kit Includes: 12 volt electric sender with 14 MM threads and adapters for 16 MM and 18MM threads.

Used on: Alfa-Romeo, Audi, BMW, Datsun, Dodge Colt, Fiat, Mazda, Mercedes-Benz, Opel, Peugeot, Renault, Toyota, Volkswagen, Volvo and all others using 14MM, 16MM or 18MM threads and 100°-280°F. range.

METRIC PRESSURE or VACUUM ADAPTER KIT—366-ST

For use with Piping Kits 366-FF or 366-HM (See page 19 for description) or Electric (12V) Pressure Sender Series 279.

Kit includes: Adapter nuts to convert threads on domestic kits or sender to M10x1K, M12x1.5 and M14x1.5 threads.

Used on: Alfa Romeo, Audi, BMW, Fiat, Mercedes-Benz, Opel, Peugeot, Porsche, Renault, Volkswagen, Volvo and all others using M10x1K, M12x1.5 or M14x1.5 threads.

JAPANESE PRESSURE or VACUUM ADAPTER NUT—825612

For use with Piping Kits 366-FF or 366-HM (See page 19 for description) or Electric (12V) Pressure Sender Series 279.

Adapter nut converts threads to 1/8-28 threads

Used on: Chevy-L.U.V., Datsun, Dodge Colt, Ford Courier, Honda, Mazda, Subaru, Toyota and all others using 1/8-28 threads.

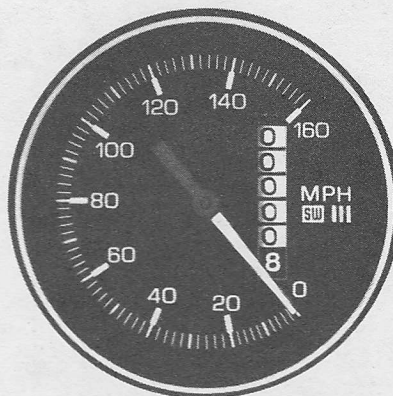
OTHERS

English, German Ford, Volkswagen Type 4, Porsche 914 and Saab engines have oil pressure and water temperature connections utilizing Dryseal American Standard Taper Pipe Threads (NPTF) the same as Domestic Cars. For these applications, use appropriate Universal Kits to match range, thread size and gauge style.

*6 cylinder engine requires 1/2" P.T. Adapter for oil.

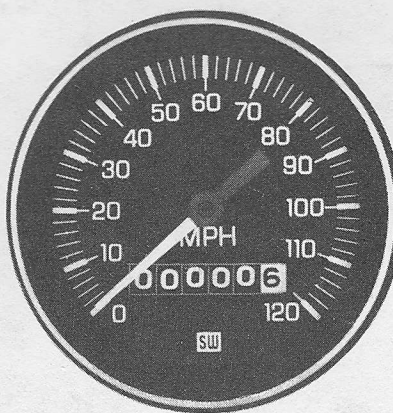
Stage III

Panel Mount, 3" diameter speedo features vertical odometer and 250° vertical pointer sweep for fast accurate reading. Internal glare free transoptic lighting. Standard SAE connections 5/8"-18 with .105 sq. hole. Range 0-160 MPH
..... **Model 550-EZ**



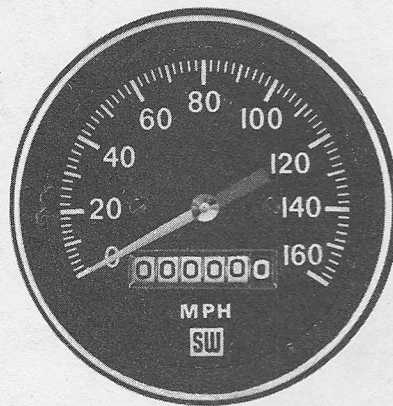
Stage I

Panel Mount, 3" diameter speedo with odometer and conventional sweep. Includes self-contained internal lighting. 0-120 MPH Range. Standard SAE Connections 5/8"-18 with .105 sq. hole. ... **Model 550-EY**



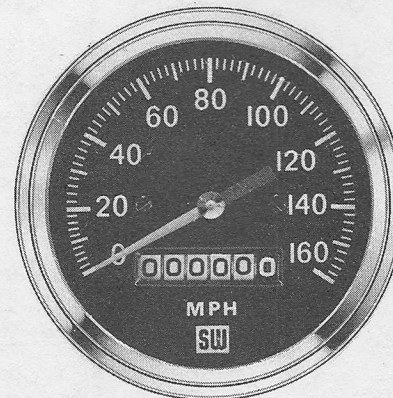
Heavy Duty

Panel Mount, 3 3/8" diameter speedo with odometer and conventional sweep. Internal lighting. 0-160 MPH Range Standard 5/8"-18 connection with .105" square hole
..... **Model 550-HH**



Deluxe

Panel Mount 3 3/8" diameter speedo with odometer and conventional sweep. Chrome Bezel. Range 0-160 MPH Range. Standard 5/8"-18 connection with 105" square hole.
..... **Model 550-BP**
Requires lighting kit **366-FK.**



GAUGES & SPEEDOMETERS

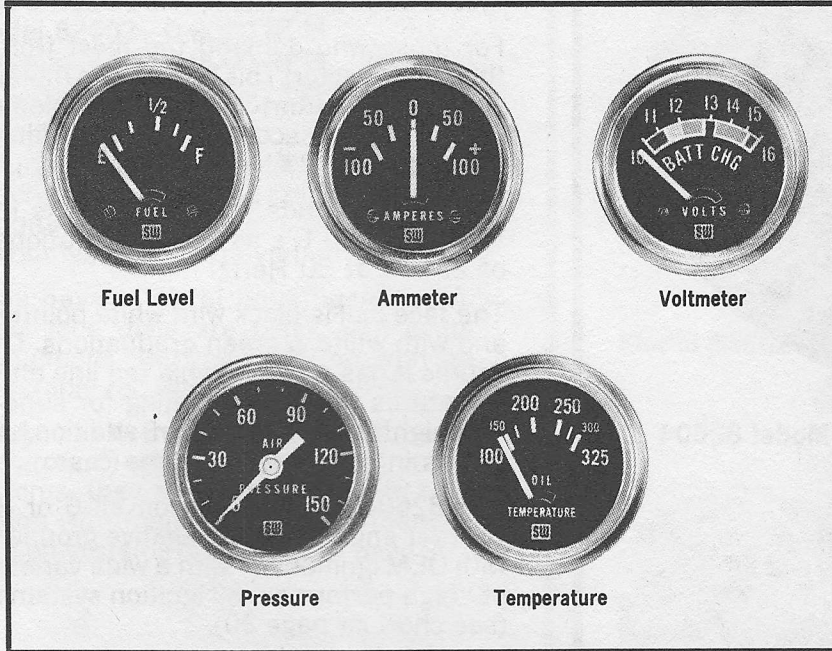
TRUCK

TRUCK GAUGES For use with Positive or Negative Ground Systems

These heavy duty 2 1/16" dia., dust-proof steel case gauges have a non-reflecting satin

chrome bezel and chimney lighting.

Mechanical gauges are equipped with center-gear bourdon type mechanisms. 7/16"-20 PT Electric gauges have electric magnetic mechanisms.



Dial Range	Part No.
PRESSURE	
0-100 lbs. Oil	360-HM
0-100 lbs. Oil	306-DB 12V
	Sender No. 279 B
0-150 lbs. Air	360-HL
*0-150 lbs. Air	368-P
	3 3/8" dia. case-bright bezel
TEMPERATURE	
100°-240° Water	311-HF 12V
	(See page 21 for Senders)
100°-250° Water	361-CA-60" 144"
100°-325° Oil	311-HC 12V
	(See page 21 for Senders)
AMPS-VOLTS	
60-0-60 Amps.	359-EP (82302)
100-0-100 Amps.	369-AW (82312)
10-16 Volts	375-AK
FUEL LEVEL	
E-F	301-CL 12V
	(See page 19 for Senders)

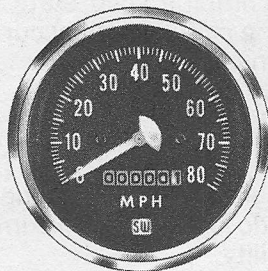
* with warning light

TRUCK SPEEDOMETERS

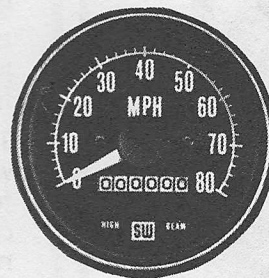
Meet or surpass heavy duty truck manufacturers specifications. Black and white face

dials with white pointers. 3 3/8" diameter rust resistant steel case.

MECHANICAL

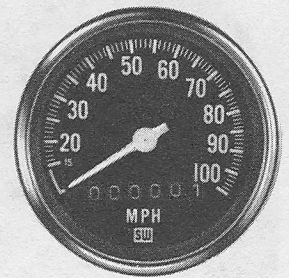


Model 550-BS - Mechanical, 0-80 MPH, 5/8"-18 shaft connection with .105" square hole. Non-reflective satin chrome bezel. Million mile odometer.



Model 550-HF - Mechanical, 0-80 MPH, 5/8"-18 shaft connection with .105" square hole. Non-reflective black with satin trim bezel. Million mile odometer. Transoptic non-glare internal lighting.

ELECTRIC



Model 105-H - 12V, Pos/Neg GD, includes integral indirect lighting kit. Non-reflective satin chrome bezel. Million mile odometer. Requires Sender 106-AW and drive tip.

LIGHTING KITS FOR TRUCK INSTRUMENTS

Truck Gauges and Speedometers have provisions for lighting but do not include lighting kits. Lighting Kit 366-FK must be ordered separately if desired.

Tip Size	Part No.
.104" sq.	821870
.150" sq.	821871
.1834" sq.	821872
.193" sq.	821873
.152" tang	821874
.187" tang	821875
.203" tang	821876



Model 82604

SUPER TORQUE™ TACH (3" Case Diameter)

Model 82604—0-8000 RPM

For those who demand the most from their tachometer. This tach uses a meter which will go from zero to full scale in less than 3/100 seconds...with tracking accuracy of $\pm 2\%$.

It also withstands repeated shocks in excess of 100 G's as well as vibrations of 20 G's at 80 Hertz!

The face dial is black with white pointer and with white & green graduations. Of course it has an adjustable red line and it features transoptic lighting for superior nighttime visibility. In addition, it comes in a plating chrome case.

The 82604 can be used on all 6 or 8 cylinder (12V, negative ground) with OEM ignitions or with a wide variety of "high performance" ignition systems (see chart on page 30).

*Registered Trademark of
Stewart Warner Instrument Co., Inc.

STAGE 3 TACHS (3" Diameter)

Model 997-A—0-8000 RPM

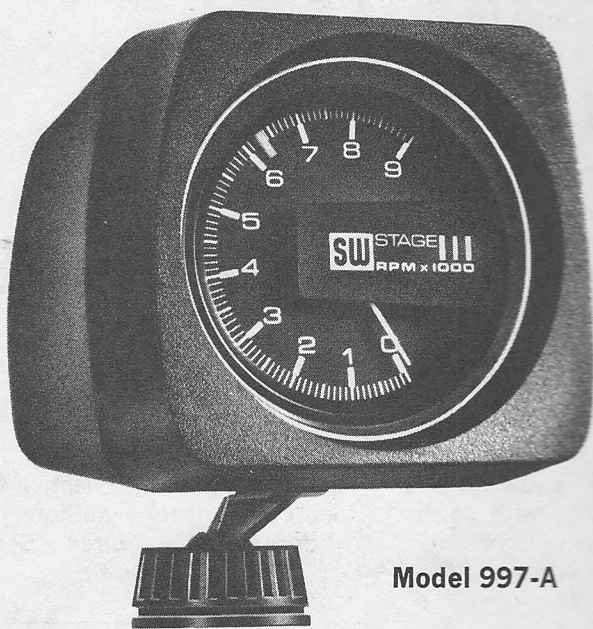
Model 997-B—0-7000 RPM

Stage 3 tachs combine solid state amplified computing circuits with accurate, jeweled differential meter movements for quick, steady readings.

Their black face dials have white pointers with white and yellow graduations. They feature adjustable red lines and the exclusive transoptic lighting for maximum nighttime visibility.

These tachs may be used on all 4, 6 or 8 cylinder (12V, negative ground) engines with OEM ignitions as well with most "high performance" ignition systems (see chart on page 30).

NOTE: The 997-A Tach shown is housed in the optional Stage 3 Tach Housing 289-A which must be ordered separately.



Model 997-A

For Electric Tach Applications and Specifications, See Pages 30 & 31

Universally Styled Tachs (3 $\frac{3}{4}$ " Case Diameter)

Model 82601—0-10000 RPM

Model 82602—0-8000 RPM

Model 82603—0-6000 RPM

These versatile units feature computerized printed circuit boards to assure accuracy and reliability. Like the Stage 3 tach, they have solid state computing circuits in combination with jeweled d'Arsonval meter movements.

They have integral housings (black). Their face dials are black with white graduations and pointers and with an adjustable red line.

Used on all 4, 6 or 8 cylinder (12V, negative ground) engines with OEM ignitions systems, they can also be used in conjunction with many "high performance" ignition systems (see chart on page 30).

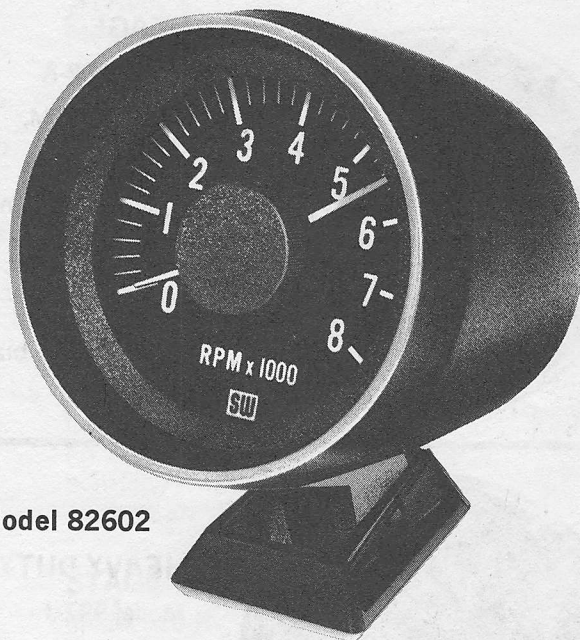
Universally Styled Tach (3 $\frac{3}{8}$ " Case Diameter)

Model 82600—0-8000 RPM

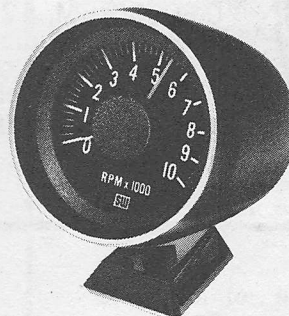
This unit is very much like the other Universally Styled Tachs shown, except that it is smaller to fit where the others will not.

This tach includes an integral housing with a black suede finish. The face dial is black with white pointers and graduations. It does not have an adjustable red line.

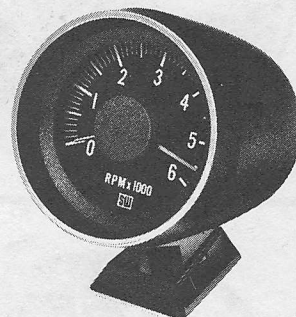
It can be used on all 4, 6 or 8 cylinder (12V negative ground) engines with OEM ignition systems as well as with most "high performance" ignition systems (see chart on page 30).



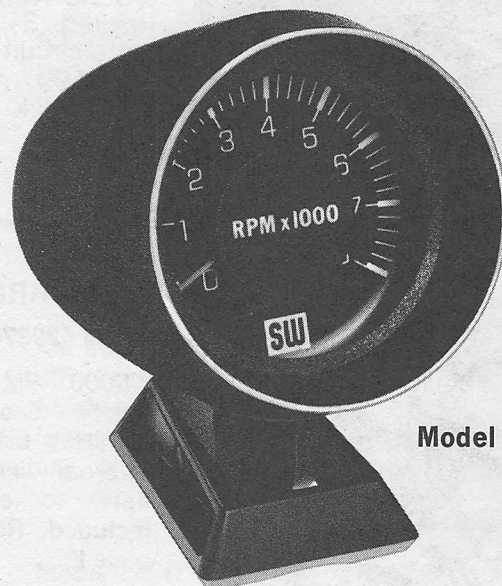
Model 82602



Model 82601



Model 82603



Model 82600

STAGE 3

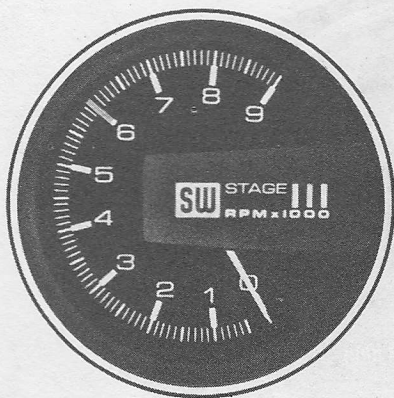
Model 997-A

0-9000 RPM, 12 V, Negative Ground. 3" diameter. Combines latest in solid state amplified computing circuit with d'Arsonval meter movement. Internal, non-glare lunar blue Transoptic lighting. Adjustable red line. Face dial has 250° sweep, black background,

yellow and white numerals and accents and white pointer. Bezel is non-reflective black with satin trim.

Model 997-B

As above, except 0-7000 RPM.



HEAVY DUTY

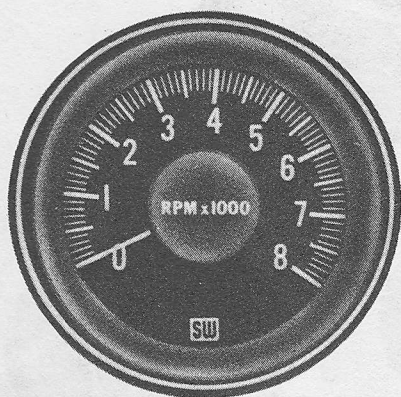
Model 997-J

0-8000 RPM, 12 V, Negative Ground. 3 3/8" diameter. Solid state amplified circuit similar to Stage 3 Model 997-A tach. Has black background with

white numerals and pointer, and chrome bezel.

Model 997-K

As above except 0-6000 RPM.



DELUXE

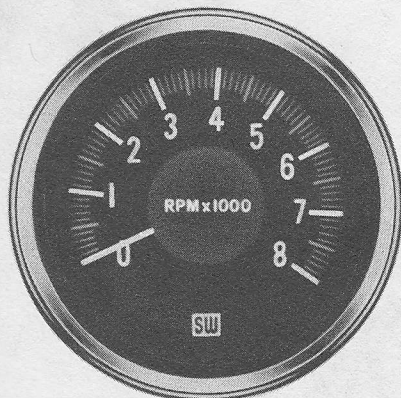
Model 997-R

0-8000 RPM, 12 V, Negative Ground. 3 3/8" diameter. Solid state circuit like Stage 3 tach Model 997-A. Has 250° sweep with black background and

white numerals and pointer.

Model 82150

As above except 0-6000 RPM.



STANDARD

Model 429370

0-8000 RPM, 12 V, Negative or Positive Ground. 3 3/8" diameter. Has bright chrome bezel, internal lighting, with terminals, socket and 12V bulb included. Requires sender see page 19.

Accessories for Tachometers
429370 & 432967

Senders

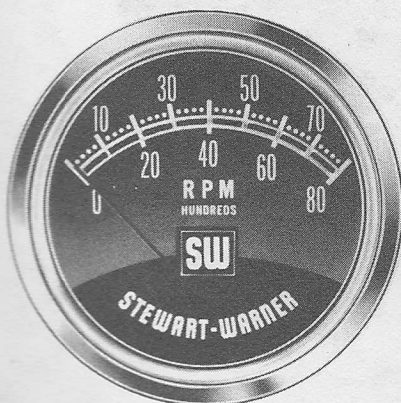
819891-for 8 cylinder engines
819892-for 6 cylinder engines
819893-for 4 cylinder engines

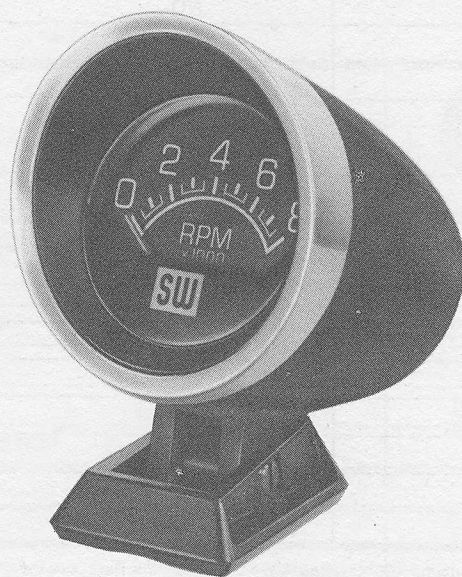
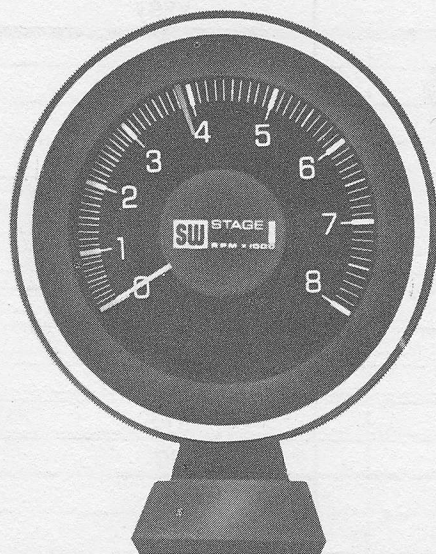
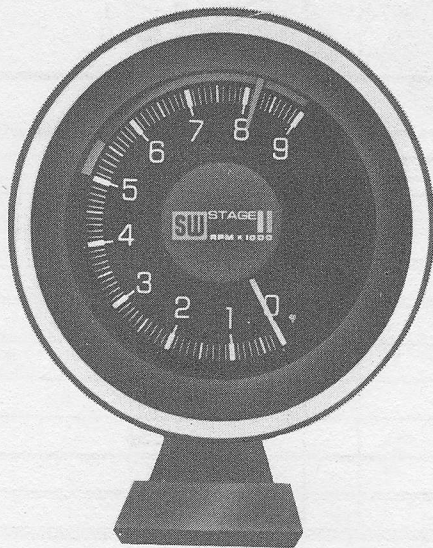
Model 432967

As above except 0-6000 RPM.

Mounting Cup

366-WS-black wrinkle finish





STAGE 2

Model 998-J

0-9000 RPM, 12V, Negative or Positive Ground, Works on 4, 6, 8 cylinder engines. 3^{3/4}" diameter. Combines Zener Diode regulation with a jeweled d'Arsonval meter movement. Face dial can be rotated 360° in integral black finish housing for installation at any required angle. Includes adjustable red line color band and static pointer, internal self-contained lunar blue lighting, 250° sweep. Face dial background is black; pointer is white; numerals and accents are orange-white.

STAGE 1

Model 998-H

0-8000 RPM, 12 V, Negative or Positive Ground, Works on 4, 6 or 8 cylinder engines. 3^{3/4}" diameter. Combines Zener Diode regulation with jeweled d'Arsonval meter movement. Face dial can be rotated 360° in integral black finish housing for installation at any required angle. Includes adjustable static pointer, internal illumination, 250° sweep. Face dial background is black; numerals and pointer are white; accents are yellow.

STANDARD

Model 999-C

0-8000 RPM, 12 V, Negative or Positive Ground, Works on 4, 6 or 8 cylinder engines. 3" diameter. Has Zener Diode regulation. Face dial can be rotated 360° in integral black suede housing for installation or any required angle. Includes internal indirect lunar blue lighting, 90° face dial, satin chrome finished Lexan bezel. Face dial background is black; numerals are white; pointer is orange; accents are yellow.

Model 999-D

As above except 3^{3/4}" diameter.



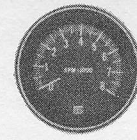


	TACHOMETER MODELS 997-A*, 997-B*, 997-J*, 997-K*, 997-R*, 82150*, 82600, 82601, 82602, 82603, 82604	TACHOMETER MODELS 998-H, 998-J, 999-C, 999-D
Breaker Point Ignitions (Single or Dual Point, Single Coil) Kettering Ignitions	YES	YES
ACCEL Bei Breakerless	YES	NO
ALLISON Opto-Pickup	YES**	NO
AMC Prestolite	YES**	YES
A.R.E. Ramfire	YES	NO
BENDIX	YES**	NO
BORG WARNER	YES**	NO
C-D System Mark II	YES	NO
CHRYSLER Electronic (Mopar)	YES	YES#
CRAGER C-D	YES	NO
CRAGER Power Pak	YES	NO
DELCO-REMY C-D	YES	NO
DELCO-REMY H.E.I. (G.M.)	YES**	YES#
DELCO-REMY Magnetic Pulse	YES	NO
DELCO-REMY Transistorized	YES	NO
ECHLIN T-38N	YES	NO
EDELBROCK Thermalspark	YES**	YES
ESSEX Elightronic	YES**	NO
FORD Motor Craft Electronic	YES	YES
G.M. H.E.I. (Delco-Remy)	YES**	YES
GRANT Flamethrower C-D II	YES	NO
HAYS Stinger	YES**	NO
HURST/AIRHEART Scr Electronic	YES**	NO
IHC Prestolite	YES**	YES
JUDSON	YES	NO
KIEHAEFFER Thunderbolt (Mercury Thunderbolt)	YES (NO)	NO (NO)
MACH II C.D.	YES**	NO
MALLORY Mini-Mag	NO	NO
MALLORY Photo Cell C-D	NO	NO
MALLORY Rev-pol Mark II	YES	NO
MALLORY SS Breakerless I.R. (Mallory Part 28820 Required)	YES**	NO
MALLORY SS	YES**	NO
MALLORY Super C-D	YES**	NO
MALLORY T-12NA Transistorized	YES	NO
MOBELEC Electronic Breakerless	YES**	YES
MOTION Perf. C-D Phase III	YES	NO
MOTOROLA c.d.i.-12	YES**	NO
MOTOROLA Transistorized	YES	NO
PRESTOLITE Breakerless Ign.	YES	NO
PRESTOLITE Transignitor 201, 205	YES	NO
TRW Lumenition	YES**	NO






*This application chart applies to only those Model 997-A, -B, -J, -K, -R & 82150 which were manufactured after June 1, 1975 (Alpha Numeric Data Code U-6 or later). Look for date code U-6 or "higher" on Tach. Those units manufactured earlier than this date will not function correctly on those applications which have a double asterisk (**).






#For accurate indication above 4,000 RPM, recalibration may be necessary. Instructions included with tachs.

ELECTRIC TACHOMETER SPECIFICATIONS

TACHS

					
PART NUMBER	997-A	997-B	997-J	997-K	997-R
FACE DIAL	Stage 3	Stage 3	B&W (H.D.)	B&W (H.D.)	B&W
DIAL SWEEP	250°	250°	250°	250°	250°
RPMs	9000	7000	8000	6000	8000
MOUNTING	Panel	Panel	Panel	Panel	Panel
CASE DIAMETER	3"	3"	3 3/8"	3 3/8"	3 3/8"
CYLINDERS	4-6-8	4-6-8	4-6-8	4-6-8	4-6-8
VOLTAGE	12	12	12	12	12
GROUND	Neg.	Neg.	Neg.	Neg.	Neg.
Description	page 28	page 28	page 28	page 28	page 28

					
PART NUMBER	998-H	998-J	999-C	999-D	82150
FACE DIAL	Stage 1	Stage 2	B&W (E.T.)	B&W (E.T.)	B&W
DIAL SWEEP	250°	250°	90°	90°	250°
RPMs	8000	9000	8000	8000	6000
MOUNTING	Integral	Integral	Integral	Integral	Panel
CASE DIAMETER	3 3/4"	3 3/4"	3"	3 3/4"	3 3/8"
CYLINDERS	4-6-8	4-6-8	4-6-8	4-6-8	4-6-8
VOLTAGE	12	12	12	12	12
GROUND	Pos-Neg	Pos-Neg	Pos-Neg	Pos-Neg	Neg
Description	page 29	page 29	page 29	page 29	page 28

					
PART NUMBER	82600	82601	82602	82603	82604
FACE DIAL	B&W (H.D.)	B&W	B&W	B&W	B&W
DIAL SWEEP	250°	250°	250°	250°	250°
RPMs	8000	10000	8000	6000	9000
MOUNTING	Integral	Integral	Integral	Integral	Integral
CASE DIAMETER	3"	3 3/4"	3 3/4"	3 3/4"	3 3/8"
CYLINDERS	4-6-8	4-6-8	4-6-8	4-6-8	6-8
VOLTAGE	12	12	12	12	12
GROUND	Neg.	Neg.	Neg.	Neg.	Neg.
Description	page 26	page 26	page 26	page 27	page 27



DELUXE

3³/₈" diameter tach features "built-to-last" internal construction for accurate, steady RPM readings. Static pointer. Internal illumination. 5/8"-18 connection with .105 sq. hole.
0-9000 RPM **535-AH**



HEAVY DUTY

3³/₈" diameter tach features "built-to-last" internal construction for accurate, steady RPM readings. Internal illumination 5/8"-18 connection with .105 sq. hole.
0-9000 RPM **535-AK**

ACCESSORIES FOR 535-AH & 535-AK MECHANICAL TACHS

DRIVE TIPS

Drive Tips for flexible Shafts 446900-1X-42" or -72". Stewart-Warner compensating type drive tips snap onto the shaft and are self aligning for maximum reliability.



818749

Size	Distributor	Part No.
.104 sq.	Accel, Delco Mallory	818749
.152 tang	Mopar Mallory	818750
.187 tang	Mallory, Vertex	817769

RIGHT ANGLE ADAPTERS

Attach to connection on back of tachometer to change direction of shaft connection. 1:1 ratio. Drive end: .104" sq. tip. Driven end: .105" sq. hole.

407010—Direct Rotation

411335—Reverse Rotation

NOTE: ALL MECHANICAL TACHS REQUIRE DISTRIBUTOR WITH MECHANICAL TAKE-OFF.

MECHANICAL TACH WITH TELL-TALE POINTER

TACHS

Mechanical Tach with Tell tale Pointer

424 Tach - The ultimate match to the high-performance car.

A blue-printed tach to match your one-of-a-kind engine. 4 to 1 ratio provides greater efficiency, exacting accuracy.

"Tell tale" pointer locks in your highest RPM for any run. Pointer is released with push-button on side.

The finest, most completely integrated tachometer system available today.

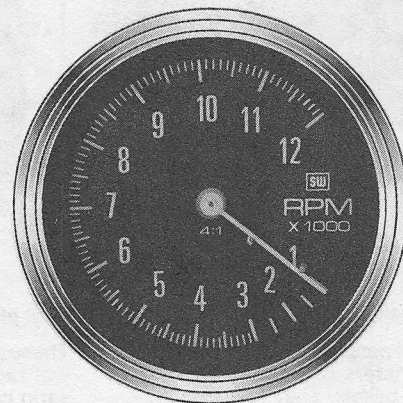
0-10,000 RPM

424-EX

0-12,000 RPM

424-EY

Includes light socket (less bulb) 250° Competition Dial.



0-10,000 RPM 424-EX
0-12,000 RPM 424-EY

424 TACH SPECIAL APPLICATIONS

Car	Components Needed	
	Model No.	Description
Ford DOHC Indy engines	424-EX	Tachometer 0-10,000 RPM
Offenhauser engines	424-EY	Tachometer 0-12,000 RPM
English Ford Cortina and Cosworth Formula engines	446900-7X	Flexible shaft (18", 42" or 72")
Engines with Smith engine Adapters BF-1507/02 or BF-1507/00		Metric adapter kit (special order from Roy Endrulat, Dept. 537 Stewart-Warner, Chicago-\$4.00)
All rear-engine cars	778-Z	Right angle adapter, permitting turn of flexible shaft.

264 Series Mechanical Tachometer Kits Incorporating 424-EX (0-10,000) RPM Tachometer

264-A

HI-PERF TACH KIT—.104 sq. tip. includes 424-EX Tach. Shaft, Adapter, Light Socket, less Bulb, 3 1/2" Dia.. 0-10,000 RPM

264-B

As above, with provision for Mechanical Shut-Off. Shut-Off not Supplied

264-C

As 264-A, except .152 Tang.

264-D

As 264-C with Provision for Mechanical Shut-Off. .152 Tang. Shut-Off Not Supplied.

264-E

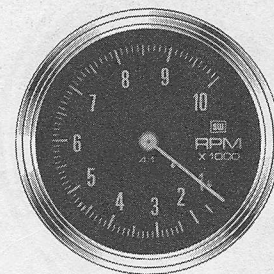
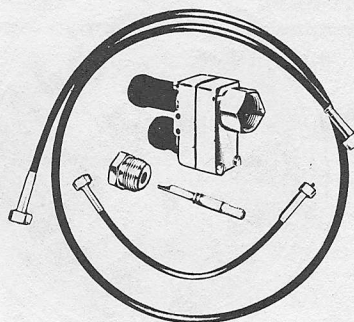
As 264-A, except .187 Tang.

264-F

As 264-E with Provision for Mechanical Shut-Off. .187 Tang. Shut-Off Not Supplied.

Complete kits and accessories for application on:

- Indianapolis Championship cars using Offy or Ford DOHC Indy engines
- Sprint & dirt track cars using Offy engine
- Drag cars ■ Nascar stock cars
- Can-Am & Trans-Am cars
- SCCA formula cars using Cosworth, Ford Cortina, or any engine with a Smith BG-1507/02 right angle adapter tachometer drive
- Chevy, Mallory, Mopar, Ford, Vertex or Accel mechanical drive take-off distributors



SERIES 264 TACH APPLICATIONS

Tip Size	Distributor	Application	Kit No.
.104 sq.	Delco, Mallory Accel	Chevrolet Miscellaneous	*264-A
.104 sq.	Delco, Mallory Accel	Chevrolet Miscellaneous	*264-B†
.152 Tang	Mopar, Mallory	Chrysler (Dodge-Plymouth)	264-C
.152 Tang	Mopar, Mallory	Chrysler (Dodge-Plymouth)	264-D†
.187 Tang	Mallory, Vertex	Miscellaneous	264-E
.187 Tang	Mallory, Vertex	Miscellaneous	264-F†

*When 264-A or B Kit is used on any application other than a G.M. car, where the distributor is at the rear of the engine, an additional Long Flex Shaft must be purchased. Part No. 446900-7X-18", 42", 72".

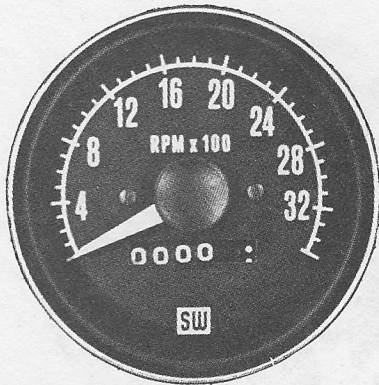
†Use where mechanical shut-off device is desired.

**NOTE: ALL MECHANICAL TACHS REQUIRE
DISTRIBUTOR WITH MECHANICAL TAKE-OFF.**

DIESEL TACHS

TACH DESCRIPTION

Mechanical

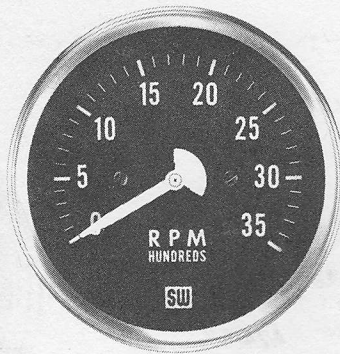


250° Dial/Satin Black Bezel

These panel mount (3 3/8" Dia.) mechanical tachometers have 250° dials and satin black bezels. They feature provision for glare free internal transpotic lighting (lighting kit not included).

They are used in conjunction with .5:1 drive shaft ratio. They have 5/8"-18 connection with .105" sq. hole.

551-AHK.....0-3500 RPM
551-AHL... (Includes Odometer)
 0-3500 RPM



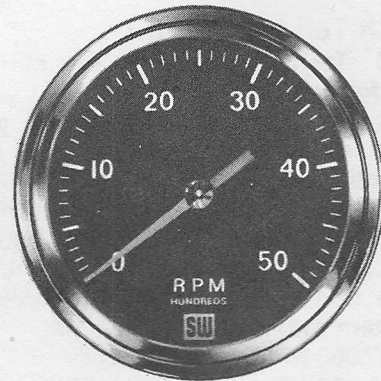
250° Dial/Satin Chrome Bezel

These panel mount (3 3/8" Dia.) mechanical tachometers have 250° dials with satin chrome bezels. They have provision for internal lighting (lighting kit not included).

They have 5/8"-18 connection with .105 sq. hole.

FOR USE WITH .5:1 Drive Shaft Ratio
551-SE0-3500 RPM
551-SF... (Includes Odometer)
 0-3500 RPM

FOR USE WITH 1:1 Drive Shaft Ratio
551-WB0-3500 RPM
551-WC... (Includes Odometer)
 0-3500 RPM



250° Dial/Chrome Bezel

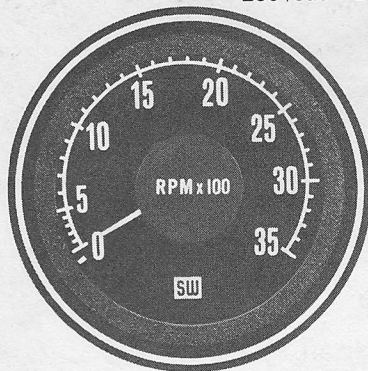
These panel mount (3 3/8" Dia.) mechanical tachometers have 250° dials with chrome bezels. They have provision for internal lighting (lighting kit not included).

They are used in conjunction with .5:1 drive shaft ratio. They have 5/8"-18 connection with .105" sq. hole.

551-AKM0-5000 RPM
 (Old number 551-SH)

Electric

250°/Satin Black



For use with .5:1, .67:1 & 1:1 Take Off Ratios

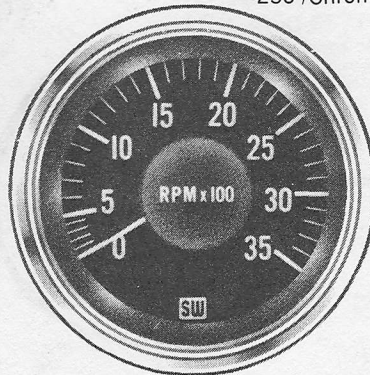
These Electric Tachometers have 250° dials. They are panel mount units (3 3/8" Dia.) with internal lighting (12V lighting kit included). These tachs can be used with any voltage and with positive or negative ground systems.

These tachometers are set at the factory for use with a 1:1 Take Off Ratio. To use these tachs with other take off ratios, a simple adjustment must be made on the tach.

Sender 106-AW is used in conjunction with these tachs and must be ordered separately. Also, accessory Drive Tips must be ordered separately (See page 35).

994-C (250°/Satin Black) 0-3500 RPM
994-D (250°/Satin Black) 0-5000 RPM
82157 (250°/Chrome) ...0-3500 RPM
82158 (250°/Chrome) ...0-5000 RPM

250°/Chrome



For use with .5:1 Take Off Ratio

These Electric Tachometers have 250° dials. They are panel mount units (3 3/8" Dia.) with internal lighting (12V lighting kit included). These tachs can be used with any voltage and with positive or negative ground systems.

These Tachometers are set at the factory for use with .5:1 Take Off Ratio. They cannot be used or adapted for other ratios.

Sender 811632 is used in conjunction with these tachs and must be ordered separately. This sender comes with a .187 Drive Tip. If other size Drive Tips are required, they must be ordered separately (See page 35).

994-E... (250°/Chrome) .0-3500 RPM
994-F... (250°/Chrome) .0-5000 RPM

90°/Chrome



For use with .5:1, 1:1, 1.5:1 & 2:1 Take Off Ratios

These Electric Tachometers have 90° dials. They are panel mount units (3 3/8" Dia.) with internal lighting (12V lighting kit included). These tachs can be used with any voltage and with positive or negative ground systems.

These Tachometers are set at the factory for use with .5:1 Take Off Ratio. To use these tachs with other take off ratios, accessory Ratio Cartridges must be ordered separately (See page 35).

Sender 811532 is used in conjunction with these Tachs and must be ordered separately. This sender comes with a .187 Drive Tip. If other sized Drive Tips are required, they must be ordered separately (See page 35).

811531... (90°/Chrome) .0-3000 RPM
812831... (90°/Chrome) .0-5000 RPM




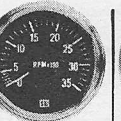
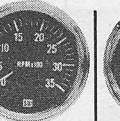
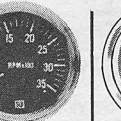
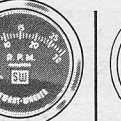

TACH SPECIFICATIONS

DIESEL TACHS

Mechanical

							
TACHOMETER MODEL	551-AHK	551-AHL	551-SE	551-SF	551-WB	551-WC	551-AKM
RPM's	0-3500	0-3500	0-3500	0-3500	0-3500	0-3500	0-5000
DIAL SWEEP	250°	250°	250°	250°	250°	250°	250°
FACE DIAL (BEZEL)	B & W (Black)	B & W (Black)	B & W (Satin chrome)	B & W (Satin chrome)	B & W (Chrome)	B & W (Chrome)	B & W (Chrome)
Used with DRIVE SHAFT RATIO	.5:1	.5:1	.5:1	.5:1	1:1	1:1	.5:1
Includes ODOMETER	NO	YES	NO	YES	NO	YES	NO
CONNECTION (Hole)	5/8"-18 (.105" Sq.)	5/8"-18 (.105" sq.)	5/8"-18 (.105" Sq.)	5/8"-18 (.105" Sq.)	5/8"-18 (.105" Sq.)	5/8"-18 (.105" Sq.)	5/8"-18 (.105" Sq.)

Electric

								
TACHOMETER MODEL	994-C	994-D	82157	82158	994-E	994-F	811531	812831
RPM's	0-3500	0-5000	0-3500	0-5000	0-3500	0-5000	0-3000	0-5000
DIAL SWEEP	250°	250°	250°	250°	250°	250°	90°	90°
FACE DIAL (BEZEL)	B & W (Satin Black)	B & W (Satin Black)	B & W (Chrome)	B & W (Chrome)	B & W (Chrome)	B & W (Chrome)	B & W (Chrome)	B & W (Chrome)
Used with TAKE OFF RATIO(s)	.5:1 .67:1 1:1	.5:1 .67:1 1:1	.5:1 .67:1 1:1	.5:1 .67:1 1:1	.5:1	.5:1	.5:1 1:1 1.5:1 2:1	.5:1 1:1 1.5:1 2:1
Used with SENDER Model (Order Separately)	106-AW	106-AW	106-AW	106-AW	811532*	811532*	811532*	811532*
Used with DRIVE TIP Models (Order Separately)	.104" Tip—Model 821870 .152" Tip—Model 821874 .187" Tip—Model 821875 .203" Tip—Model 821876				.104" Tip—Not Available .152" Tip—Model 811535 .187" Tip—Model 811533* .203" Tip—Model 811536			
Used with RATIO CARTRIDGES (Order Separately)	Ratio Cartridges are not and cannot be used with these tach/sender combinations.						1:1—Model 811537 1.5:1—Model 811538 2:1—Model 811539	

*.187" Tip is included with Sender 811532

DIESEL TACHS

TACH DRIVE APPLICATIONS FOR DIESEL ENGINES

TACHOMETER DRIVE APPLICATIONS FOR DIESEL ENGINES

Engine Model	Tachometer Drive Location	Drive Tip Size	Take Off Ratio	To use Tach Model 994-C, 994, D 82157 or 82158 Order these Components Separately.		To use Tach Model 994-E or 994-F Order These Components Separately.		To use Tach Model 811531 or 812832 Order these Components Separately.		
				Sender	Drive Tip	Sender	Drive Tip	Sender	Drive Tip	Ratio Cartridge
ALLIS CHALMERS (BUDA) DA-273, 6DAG-273, D-175, D-262, 2800, 2900, 3400, 3500	Distributor Well	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
D-334 -10,000, -11,000 D-516-10,000, -11,000	Front Gear Cover	.152	.5:1	106-AW	821874	811532	811535	811532	811535	_____
10,000, 11,000	Front Gear Cover	.187	2:1	Cannot be Used		Cannot be Used		811532	_____	811539
10,000, 11,000	Front Gear Cover with Drive Joint	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
16,000, 21,000H, 25,000	Access. Drive Shaft with Drive Joint	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
16,000, 21,000 (Old)	Access. Drive Shaft	.187	1.5:1	Cannot be used		Cannot be used		811532	_____	811538
6DCB-1879 6DCBG-1879	Timing Gear Cover	.187	1.5:1	Cannot be used		Cannot be used		811532	_____	811538
6DCBMR-1879, 8DC-2505, 8DCG-2505, 8DCSG-2505, 8DCSMR-2505	Access. Drive Housing	.187	1.5:1	Cannot be used (Some Truck Engines—.203)		Cannot be used		811532	_____	811538 (811536)
CATERPILLAR D-311-H, D-320-A, D-330-A, D-330-B D-333-A, D-333-B	Timing Gear Housing (Front)	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
D-334-A	Camshaft Hsg. (Frt)	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
D-336	Service Meter-Left	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
D-342-C, D-343-A	Service Meter-Right	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
D-346, D-348, D-349	Front Right Cylinder Head	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
D-353-D, D-353-E	Service Meter-left	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
D-379-A, D-379-B D-398-A, D-398-B	Gov. & Pump Housing	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
D-399, D-398	Gov & Pump Housing	.187	1.5:1	Cannot be used		Cannot be used		811532	_____	811538
1140, 1145, 1150, 1160, 3145, 3150, 3160	Front Cover in Fuel Cam	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
1674	Front of Cam Shaft Cover	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
1673-C	Rt. Side at Front of Transfer Pump	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
1693	Rt. Rear Cover at Access. Drive Shaft	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
CONTINENTAL All Models	Camshaft Drive	.203	.5:1	106-AW	821876	811532	811536	811532	811536	_____
All Models	P.S.B. Bosch Pump	.203	1:1	106-AW	821876	Cannot be used		811532	811536	811537
CUMMINS L Series	Fuel Pump	.187	1:1	106-AW	821875	Cannot be used		811532	_____	811537
All Others	Fuel Pump	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
DETROIT DIESEL 51 Series	Blower with Drive Joint of 1:1 Ratio	.187	2:1	Cannot be used		Cannot be used		811532	_____	811539
53 Series, 71 Series, 149 Series	Cam or Balance Shaft	.152	1:1	106-AW	821874	Cannot be used		811532	811535	811537
71 Series	Blower	.152	2:1	Cannot be used		Cannot be used		811532	811535	811539

TACH DRIVE APPLICATIONS FOR DIESEL ENGINES

DIESEL TACHS

TACHOMETER DRIVE APPLICATIONS FOR DIESEL ENGINES

Engine Model	Tachometer Drive Location	Drive Tip Size	Take Off Ratio	To use Tach Model 994-C, 994-D 82157 or 82158 Order these Components Separately.		To use Tach Model 994-E or 994-F Order These Components Separately.		To use Tach Model 811531 or 812832 Order these Components Separately.		
				Sender	Drive Tip	Sender	Drive Tip	Sender	Drive Tip	Ratio Cartridge
GMC TRUCK & COACH 53 Series 71 Series, 471, 671	Cam or Balance Shaft	.152	1:1	106-AW	821874	Cannot be used		811532	811535	811537
71 Series	Blower Drive Shaft	.152	2:1	Cannot be used		Cannot be used		811532	811535	811539
D/DH-478, D/DH-637	Top of Cyl. Block	.152	.5:1	106-AW	821874	811532	811535	811532	811535	_____
471, 671, 8V71, 6V71	Blower Shaft	.152	2:1	Cannot be used		Cannot be used		811532	811535	811539
HERCULES D1500, D1700, D2000, D2300, D3000, D3400	Side of Cylinder Block	.187	1:1	106-AW	821875	Cannot be used		811532	_____	811537
D4800	Gear Cover	.187	1:1	106-AW	821875	Cannot be used		811532	_____	811537
JOHN DEERE All engine models	Rt. Side of Engine	.152	.5:1	106-AW	821874	811532	811535	811532	811535	_____
MACK All engine models	Forward Section of Aux. Drive Housing	.203	.5:1	106-AW	821876	811532	811536	811532	811536	_____
PALMER DIESEL 310	Various	.187	2:1	Cannot be used		Cannot be used		811532	_____	811539
PERKINS 4-107, 4-108, 4-154, NA50, NA70	Aux. Drive Gear	.152	.5:1	106-AW	821874	811532	811535	811532	811535	_____
All other engine models	Gear Cover	.152	.5:1	106-AW	821874	811532	811535	811532	811535	_____
WAUKESHA WAKD, WAKDS, LRDS, LRD	Fuel Pump Drive Housing	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
148DK, 148DKBS	Eng. Tmg. Gear Case	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
NKD, NKDS, F1095D	Water Pump	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
180DAB, 180DAC, 18DLC, 185DAB, 185DAC, 190DSB, 190DLC, 190DLCR, 195DLC	Right Side of Engine	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
135-DK, 135-DKB	Left Side of Eng.	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
180-DLC	Rt. Side of Crankcase	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
F1197-D	Fuel Pump Drive Hsg. or Gov. Drive Hsg.	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
F2895-D, L5100D, L5790-D	Inj. Pump Drive Housing	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____
H1077-D, L1616-D	Right Side, Top of Gear Cover	.187	.5:1	106-AW	821875	811532	_____	811532	_____	_____

SENDER 106-AW

Sender 106-AW connects to the mechanical Take Off to convert the mechanical movement into electrical signals.

Accessory Drive Tips for Sender 106-AW

For Tachometers For Speedometer 105-H

Size	Part No.	Size	Part No.
.104"	821870	.104" sq.	821870
.152"	821874	.150" sq.	821871
.187"	821875	.1834" sq.	821872
.203"	821876	.193" sq.	821873
		.152" tang.	821874
		.187" tang.	821875
		.203" tang.	821876

SENDER 811532

Sender 811532 connects to the mechanical Take Off to convert the mechanical movement into electrical signals. It is set at the factory for a .5:1 Take Off Ratio (Take Off/Engine RPM Ratio). For use with other ratios, Accessory Ratio Cartridges must be ordered.

The sender includes a .187 Drive Tip. If another size tip is required, it must be ordered separately.

Accessory Drive Tips

For Sender 811532.

Tip Size	Part No.
.152"	811535
.187"	811533
.203"	811536

Accessory Ratio Cartridges

For Sender 811532 (Not for use in conjunction with Tach Models 994-E or 994-F).

Ratio*	Part No.
1:1	811537
1.5:1	811538
2:1	811539

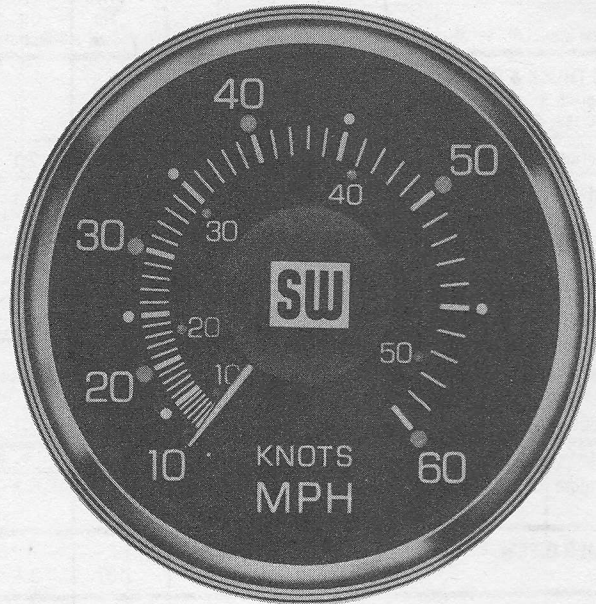
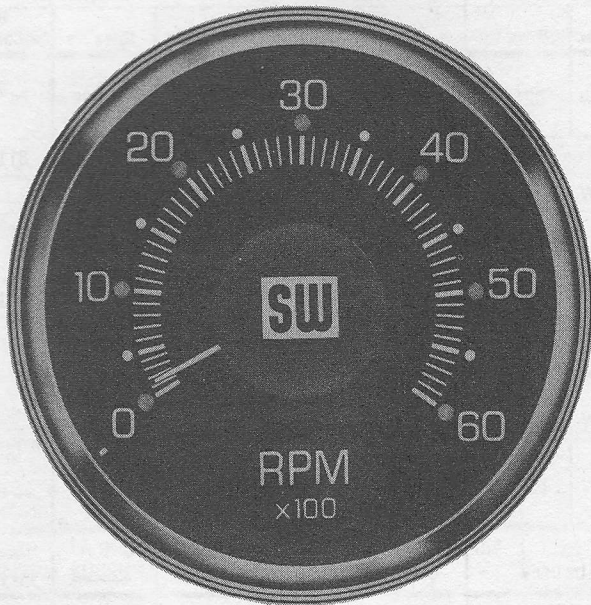
*Ratio of Take Off/Engine RPM

Accessory Extension Sleeves

For Sender 811532. For some GM, Mack and other applications. 2 3/8" long. Requires Sleeve No. 103402 plus appropriate clutch.

Description	Part No.
Sleeve Only	103402
.152" Clutch for GM	814011
.187" Clutch	814012
.203" Clutch for Mack	814013

Deluxe Line

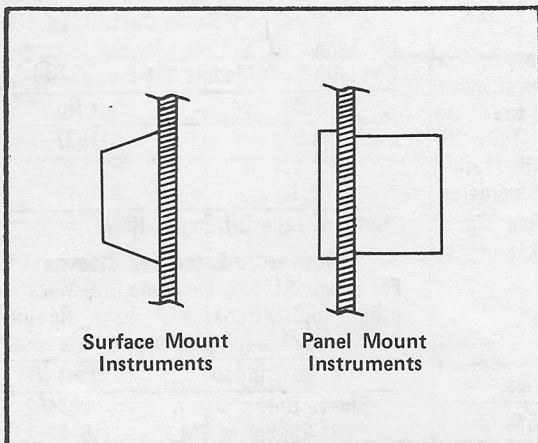


Surface Mount Deluxe Line Tachometers & Speedometers mount on all panels up to 3/4" thick. Matched face dials are black with white graduations and pointers. Cases are bright chrome coated and extend 2 1/2" from the panel. Case diameters are 3 3/4" at front end and 4" at the base. Mounting hardware and instructions are included.

ELECTRIC TACHOMETER (Sender Not Required)

For use with any 2 or 4 cycle engine having from 1 to 8 cylinders. May be used with standard, transistor, magneto or 12-pole alternator ignition system. No external sender is required. Units are simply and easily adjusted to match any engine/ignition system. Complete installation and adjustment instructions are included.

82154 Electric Tachometer 0-6000 RPM



Surface Mount Instruments

Panel Mount Instruments

SPEEDOMETER KITS

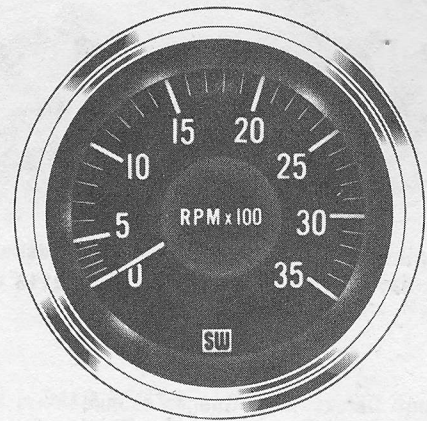
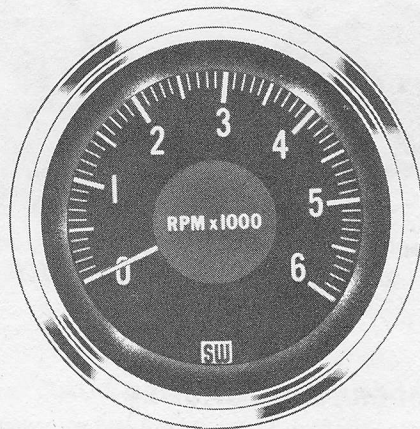
Provide accurate reading of speed in both MPH and Knots. The heavy duty "Accustat" mechanism is designed to withstand extreme vibration and shock and resist rust and corrosion. Streamlined, non-fouling pitot tube folds out of danger upon contact with underwater objects or when boat is transported.

Speedometer kits include: basic Speedometer Head, Deluxe Pitot Tube, 18 feet of tubing and all required installation hardware and instructions.

SPEEDOMETER KIT NO.	DIAL RANGES	
	MPH	KNOTS
82155	10-60	9-52
82156	10-45	9-39

ACCESSORIES

PART NO.	DESCRIPTION
433084	Deluxe Pitot Tube
811159	Thru Transom Fitting
171894	Connecting Tubing (18 ft.)



Panel Mount Deluxe Line Tachometers and Speedometers may be installed in S-W accessory panels, used as replacements in S-W prewired Marine Panels or mounted in existing panels. They have matched dial faces that are black with white graduations and pointers.

The bezels are flat and bright chrome plated. The cases are Lexan® and are 3 3/8" in diameter. These instruments have internal illumination and come complete with lighting kit, mounting hardware and installation instructions.

ELECTRIC TACHOMETERS (Sender not required)

Electric Tachometers designed for application on any 4-cycle, 4, 6 or 8 cylinder engine. May be used with negative or positive ground, 12 volt systems as well as many other "exotic" ignitions (including the Kiekhaefer Thunderbolt). Units feature jeweled d'Arsonval meter movements coupled with solid state amplified circuitry. These tachometers are completely self-contained and require no separate senders or monitors.

82150 Tachometer (0-6000 RPM)

ELECTRIC TACHOMETERS (Sender 106-AW required)

These electric tachometers are designed for use on diesels and other engines having mechanical tachometer take-off with a 1:1, .67:1 or .5:1 ratio. An adjustment on the tachometer is used to adjust the tach to the proper ratio. They have jeweled d'Arsonval meter movements and solid state amplified circuitry. They are used in conjunction with Sender 106-AW (see below) which must be ordered separately.

PART NO.	RPM RANGE
82157	0-3500
82158	0-5000

Sender 106-AW comes with installation instructions. Drive Tips must be ordered separately (see below).

DRIVE TIPS

PART NO.	TIP SIZE
821870	.104"
821874	.152"
821875	.187"
821876	.203"

ELECTRIC TACHOMETERS (Sender 811532 required)

These electric tachometers are designed for use on diesels and other engines having a mechanical tachometer take-off with a .5:1 ratio. They feature jeweled d'Arsonval meter movements coupled with solid state amplified circuitry. They are used in conjunction with Sender 811532 (see below) which must be ordered separately.

PART NO.	RPM RANGE
994-E	0-3500
994-F	0-5000

Sender 811532 includes .187" drive tip (811533) and installation instructions. Other drive tips must be ordered separately (see below).

DRIVE TIPS

PART NO.	TIP SIZE
811535	.152"
811533	.187"
811536	.203"

SPEEDOMETER KITS

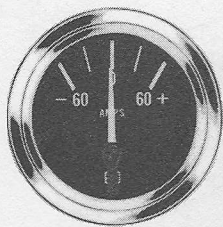
These SPEEDOMETERS will provide accurate, dependable speed readings under all operating conditions for any boat. The heavy duty "Accustat" mechanisms are designed to withstand extreme vibration and pounding shock as well as resist rust and corrosion. The streamlined, non-fouling Pitot Tube folds out of danger upon meeting an underwater obstruction or when boat is being transported.

KIT consists of: Basic Speedometer Head, 18 feet of tubing, double wire lamp socket with 12V bulb, deluxe Pitot Tube with attaching screws and all mounting hardware.

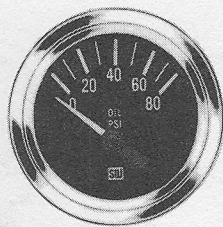
SPEEDOMETER KIT NO.	DIAL RANGE
82152	10-45 MPH
82153	10-60 MPH

ACCESSORIES

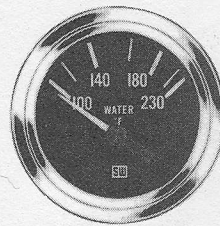
PART NO.	DESCRIPTION
433084	Deluxe Pitot Tube
811159	Thru Transom Fitting
171894	Connecting Tubing (18 ft.)



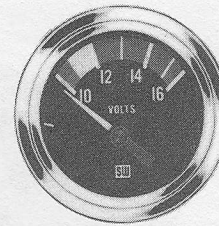
Ammeter
82108



Oil Pressure
82113



Water Temperature
82114



Voltmeter
82112

Panel Mount Deluxe Line Gauges feature brass cases and bezels. The cases are 2 1/8" in diameter. The bezels are flat and chrome plated. The matching dial faces are black with white graduations and pointers.

They may be installed in S-W accessory panels, used as replacements in S-W prewired Marine Panels or mounted in existing panels. They come complete with internal lighting, mounting hardware and installation instructions.

The mechanical gauges have Accustat mechanisms (270° sweep). The electric gauges have Bi-Torque mechanisms (60°-90° sweep) and use 12V negative ground power. To adapt electric temperature and/or pressure gauges to 24V negative power, Resistor No. 408023 is required and must be ordered separately. For 32V negative power, order Resistor No. 821988 separately.

AMMETERS

Indicates generator or alternator charging rate, battery condition and warns of excessive drain by accessories.

PART NO.	DIAL SCALE (AMPS)
82108	60-0-60
*82109	60-0-60
**82110	100-0-100

*Requires Shunt No. 813489. Please order separately.

**Requires Shunt No. 407616. Please order separately.

OIL PRESSURE GAUGES

Help avoid costly engine repairs due to incorrect oil pressure, defective oil pump, clogged oil filter, etc. Electric gauges use 12V power source. For use with 24V system, order Resistor No. 408023. For use with 32V system, order Resistor No. 821988

PART NO.	TYPE	DIAL SCALE (PSI)
*82113	Elec.	0-80
**82116	Elec.	0-100
360-BX	Mech.	0-300
360-EK	Mech.	0-400

*Requires Sender No. 353-Z for single gauge. Requires Sender 353-AM for dual gauges.

**Requires Sender No. 279-B for single gauge. Requires Sender 82501 for dual gauges.

TEMPERATURE GAUGES

Indicates engine operating temperature and warns of clogged intake. Electric gauges use 12V power source. To use with 24V source, order Resistor No. 408023. To use with 32V source, order Resistor No. 821988.

PART NO.	TYPE	DIAL SCALE (°F)
*82114	Water Temp.	100-230
*82115	Oil Temp.	100-280

*Requires Electric Temperature Sender (see below). Please order separately.

ELECTRIC TEMPERATURE SENDERS

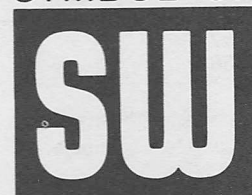
THREAD SIZE	SINGLE GAUGE SENDERS		DUAL GAUGE SENDERS
	82114	82115	82114
1/8"	362-CZ	334-H	—
1/4"	362-AN	334-AA	—
3/8"	362-AJ	334-AB	—
1/2"	362-AH	334-AD	—
Univ.*	280-EA	280-ED	82503

*Universal sender fits 1/8", 1/4", 3/8" and 1/2" thread sizes.

VOLTMETER—Model 82112

Checks condition of battery, voltage regulator and generator or alternator. Warns of faulty belts, loose battery connections, etc.

SYMBOL OF

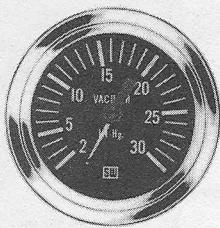


EXCELLENCE

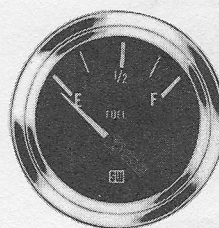
Deluxe Line



**Hobbs Hour Meter
15017**



**Vacuum Gauge
82117**



**Fuel Level
82111**



**Engine Warning
System**

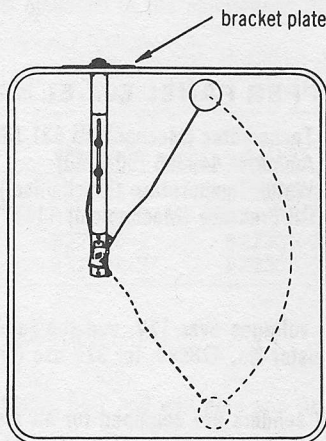
FUEL LEVEL GAUGE—Model 82111

Monitors information on fuel level. Requires fuel level sender and Installation Kit No. 366-LP. Uses 12V neg power source. For use with 24V source, order Resistor No. 408023. For use with 32V source, order Resistor No. 821988.

FUEL TANK SENDERS

PART NO.	DESCRIPTION
385-B	6"-12" depth; LH arm
385-C	6"-12" depth; RH arm
391-A	10"-15" depth; LH arm
391-B	10"-15" depth; RH arm
391-C	15½"-24" depth; LH arm
391-D	15½"-24" depth; RH arm

CHOOSING LEFT OR RIGHT HAND FUEL LEVEL SENDERS



The holes in the tank unit bracket plate are not evenly spaced. The distance between two of the holes is greater than between any other two. When viewing the bracket plate, with the widely separated holes nearest you, the float arm will swing left if it is a left hand tank unit or right if it is a right hand tank unit.

If there is more room in the tank to the left of the tank unit mounting location, use a tank unit that swings to the left and vice versa.

HOBBS HOUR METER—Model 15017

Provides an accurate record of the total time an engine is operated. This information is vital for proper maintenance. Time is recorded in hours and tenths of hours. Meter may be used with any electrical system having 4-40 volts DC.

VACUUM GAUGE—Model 82117

This "Accustat" gauge helps maintain peak engine efficiency and increase mileage. Shows if timing is correct or if a tune-up is needed. Dial reads 0-30".

ENGINE WARNING SYSTEM

This audio/visual system provides warning of extreme engine operating conditions. A light and a buzzer in the unit are triggered by sender switches to warn of low oil pressure, high water temperature, etc. The system can be mounted in panels up to ½" thick and it operates on 12V power. It can be used with or without other instrumentation.

Model D-825104 consists of a warning device, a nameplate and four speed grip connectors. The sender switches must be ordered separately (see charts below).

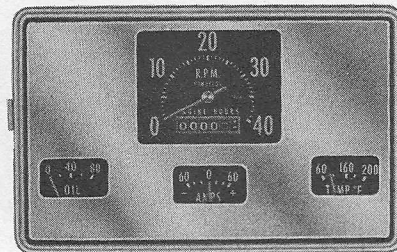
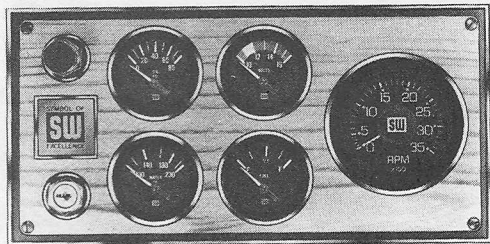
Model 366-TJ consists of Model D-825104, plus Pressure Sender Switch 364-L and Temperature Sender Switch 363-F.

TEMPERATURE SENDER SWITCHES for warning system

TEMPERATURE SETTING	¼" THREAD	¾" THREAD	½" THREAD
200°F	363-D	363-E	363-F
225°F	363-AM	—	363-G
250°F	363-Z	—	363-W
120°-250°	—	—	363-AD
Double Switch	—	—	—

PRESSURE SENDER SWITCHES for warning system

THREAD SIZE	PRESSURE SETTINGS				
	6 PSI	10 PSI	15 PSI	60 PSI	80 PSI
⅛"	364-L	364-AH	364-K	438076	438071
¼"	364-M	364-AJ	—	—	—
½"	—	364-AL	—	—	—



MARINE PANELS

These panels are die-cast aluminum covered with a tough, moisture and corrosion resistant, clear epoxy coating. Cycloc mounting rings provide a recessed appearance. Panels are 12½" x 6¼" and have a non-reflective black finish with optional Texolite® overlays available:

Gauges have brass cases, waterproof bezels and internal illumination. Wide sweep tachometer has a fine tuning feature for dependable accuracy. Light switch is equipped with rheostat dimmer switch.

Panels come equipped with Light Harness (model 821963), Panel Mounting Plate (model 271-A) and Panel Harness (model 821962) which conforms to BIA recommended installation procedures. Molded 8-way plug and additional lead wire for fuel sender are also included.

Panels come complete with four Deluxe Line Gauges (Fuel Level 82111, Voltmeter 82112, Oil Pressure 82113 and Water Temperature 82114). Panels also include Ignition Switch 370-T, Light Switch 366-SB and a Deluxe Line Tachometer. Provision is made for mounting Hobbs Hour Meter 15000 (please order separately). All instruments are electric and come installed in panel. SENDERS ARE NOT INCLUDED AND MUST BE ORDERED SEPARATELY.

PANEL SELECTION CHART

PART NO.	ENGINE TYPE	INCLUDES TACHOMETER
546-B	Gas 4, 6 or 8 cyl.	82150 (0-6000)
546-E	Diesel	82157 (0-3500)

HARNESS SELECTION CHART

PART NO.	DESCRIPTION
822337-1	10-ft. Extension
822337-2	20-ft. Extension
822338	Engine Harness
823987	Dual Stat. Conn.

OVERLAY SELECTION CHART

PART NO.	*FINISH
822292-1	Teak
822292-2	Rosewood
822292-3	Walnut

*On self-adhesive Texolite® overlays.

SKIPPER PANELS

These compact 8" x 5" panels have all the instruments needed for one engine. For twin engine installations, use two panels. All exposed parts are brass with rubber gaskets to seal out moisture. Aluminum finish on face plate. Dials have white graduations on black with green pointers. Indirect internal lighting from bulbs mounted in back of case. Unit mounts through front of dash.

Panels have mechanical tachometers with straight-out connection (5/8"-18 external thread and .105" square hole). For connection order adapter 407010 (C.W.) or adapter 411335 (C.C.W.). Mechanical temperature gauges have 216" tubing with ½" P.T. (m) adapter nut.

SKIPPER PANEL 602-BN* Includes:

- Tachometer (Mechanical) 531-K (0-6000 RPM)
- Ammeter 440366 (60-0-60)
- Water Temperature (Electric) 442519**
- Oil Pressure (Electric) 444545**

SKIPPER PANEL 602-EL Includes:

- Tachometer (Mechanical) 531-DF (0-4000 RPM)
- Ammeter 440366 (60-0-60)
- Water Temperature (Mechanical) 442523
- Oil Pressure (Mechanical) 444521

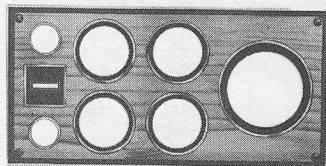
*For voltages over 12V, use the following resistors: for 24V use Resistor No. 428989, for 32V use Resistor No. 417813.

**12V senders are equipped for all electric gauges. THESE MUST BE ORDERED SEPARATELY (See chart below).

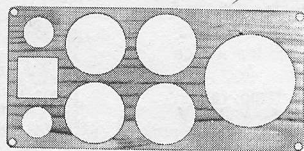
ELECTRIC SENDERS

THREAD SIZE	SINGLE GAUGE SENDERS	DUAL GAUGE SENDERS
For Temperature Gauges (100-230)		
1/8"	362-CZ	—
1/4"	362-AN	362-BD
3/8"	362-AJ	362-BC
1/2"	362-AH	362-BB
Univ.*	280-EA	—
For Pressure Gauge		
1/8"	353-Z	353-AM

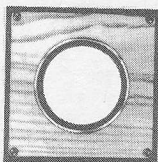
*Universal Sender fits 1/8", 1/4", 3/8" & 1/2" thread sizes



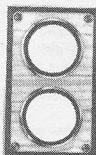
271-A*



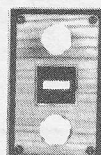
Panel Overlays



271-B*



271-C*



271-D*



271-E

*Shown with optional Panel Overlays

No. 271-A This 12½" x 6¼" panel will hold up to four Deluxe Gauges and a Deluxe Tachometer. It will also accept Hobbs Hour Meter 15000, Ignition Switch 370-T and Light Switch 370-C or 366-SB.

PANEL OVERLAYS These optional, self-adhesive overlays of durable Texolite®, are available in a choice of three simulated wood grains to add additional opulence to the appearance of the Accessory Panels, if desired.

FITS PANEL NO.	FINISH		
	TEAK	ROSEWOOD	WALNUT
271-A	822292-1	822292-2	822292-3
271-B	822334-1	822334-2	822334-3
271-C	822335-1	822335-2	822335-3
271-D	822336-1	822336-2	822336-3

No. 271-B This panel is 6¼" x 6¼" and will hold any Deluxe Tachometer or Speedometer.

No. 271-C This compact 6¼" x 3¾" panel will hold any two Deluxe Gauges.

No. 271-D This 6¼" x 3¾" panel is specifically designed to hold Hobbs Hour Meter 15000, Ignition Switch 370-T and Light Switch 370-C or 366-SB.

No. 271-E A convenient 6¼" x 3¾" panel with six On-Off rocker switches. Self-adhesive identification labels for nearly all conceivable marine needs are included with the panel. Note: No wood-grain overlay is available for this panel.



Hobbs Hour Meter 15000

Hobbs Hour Meter No. 15000 Provides an accurate record of the total time an engine has been operated. This information is vital for proper engine maintenance. Time is recorded in hours and tenths of hours. Meter may be used with any electrical system having 4-40 volts DC. This space saving, rectangular unit fits S-W Prewired Marine Panels Accessory Panels or existing instrument panels.

2-Position Dimmer Switch No. 370-C For all lighted instruments.

Light Dimmer Switch 366-SB Rheostat control for all lighted instruments.

Ignition Switch No. 370-T Mounts in ¾" hole in Stewart-Warner panes or existing instrument panels.

Blank Gauge No. 822406 May be used to fill unused gauge mounting holes.

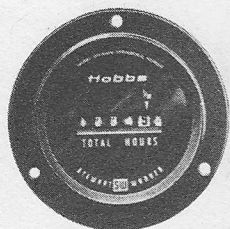
Gauge Bezel No. 821961 Replacement bezel for gauge mounting hole bezel on S-W Prewired Marine Panels and Accessory Panels.

Tach/Speed Bezel No. 821960 Replacement bezel for Tach/Speed mounting hole bezel on S-W Prewired Marine Panels or Accessory Panels.

HOUR METERS

HOBBS HOUR METERS & SWITCHES

HOBBS MINIMETERS



15001,
15004



15000
15003



15002,
15005



15006,
15007

Dirt and moisture sealed, escapement controlled DC hour meters include jewelled movement, shockproof odometer, and permanently lubricated parts. Easy to read black face dials. Records hours in tenths. Accuracy: $\pm 1\%$. Rundown: 5 seconds. Oper. temp. range: -65° — $+160^{\circ}$. Meets Military Spec. MIL-L-3971B.

NEW "Long Stud" Models. Similar to above models, except for 2" case size and longer studs for easy replacement of any Hobbs meter. Fits any panel up to 1" thick.

15017—Same as 15002, exc. 2" case and long studs.

15031—Bezel matches Stewart-Warner Marine Gauges.

15066—Bezel matches S-W Heavy Duty Gauges.

Model	Range (VDC)	Mount	Replaces
15000	4-40	2 screw	
15001	4-40	3 screw	5600
15002	4-40	Bracket	5601
15003	40-130	2 screw	
15004	40-130	3 screw	
15005	40-130	Bracket	
*15006	4-40	Aircraft	5611 & 5612
†15007	4-40	Aircraft	

*Reads Total Hours. †Reads Flight Hours.

HOBBS SOLID-STATE DIOCHRONS

16001



Record operating hours of gas, diesel, or battery powered equipment. Key components potted for shock protection. Smooth operation under vibration. Instantaneous start and stop. Sealed case. Accurate $\pm 1\%$ at room temperatures; use from -40° to $+160^{\circ}$ F.

Easy-to-read black face dials, with automatic recycling odometers, record up to 10,000 hours at one-tenth hour increments.

Voltage	Mounting	Part No.
12V-DC	3-Screw	*16000
12V-DC	Stirrup	16001
24V-DC	3-Screw	*16002
24V-DC	Stirrup	16003

*Bezel

ALTERNATING CURRENT METERS



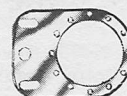
20016

A highly reliable instrument for recording operating time for leasing, maintenance, testing and warranty programs. Polycarbonate, shock resistant, tamper proof case. Records up to 100,000 hours and automatically recycles to zero. Accuracy: $\pm 1\%$. Temperature: -65° F to $+154^{\circ}$ F. UL recognized component. Power rating: 3 watts. Screw Termination. Available in Minimeter and Deluxe styles.

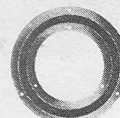
Voltage	Hertz (Cycles)	Minimeter 2" x 1"	Deluxe 2.7" Dia.
120	50	20028	20016
120	60	20001	20017 (1906*)
240	50	20029	20018
240	60	20007	20019 (1909*)

*Previous Part Number. Subject to field availability.

MOUNTING BRACKETS



329 ($2\frac{13}{16}$ " x 4") for meter only.
558 (4" x $5\frac{1}{8}$ ") use when meter and dampener are used together.



DAMPNER

To protect meter from severe vibration. Can be used on panel or with 558 bracket.

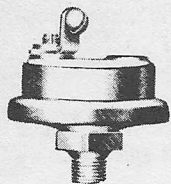
3888 ($3\frac{3}{8}$ " dia.) for screw type D.C. meters.
2165 ($3\frac{3}{8}$ " dia.) for $2\frac{1}{2}$ " A.C. meters.



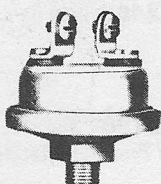
PANEL MOUNTING BRACKET

Covers panel area $2\frac{13}{16}$ " x $5\frac{1}{4}$ ". 486 for screw type D.C. meter only.

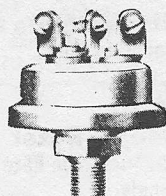
HOBBS—PRESSURE AND VACUUM SWITCHES



Single circuit 1 terminal
Grounded internally



Single circuit 2 terminals
insulated



Dual circuit 3 terminals
1-NC. 1-NO. 1 common

Switches to actuate an Hour Meter, warning light, buzzer or engine cut-off when oil or air pressures drop below or exceed safe levels. Three models: Single-circuit, one terminal grounded internally; Single-circuit, two terminals, both insulated; Dual circuit, three terminals, one normally open (NO), one normally closed (NC), one common. Silver-alloy contacts in weather-protected cases with $\frac{1}{8}$ " external P.T. connections. Activating pressure is set and sealed at the factory. Nominal ratings are: 6V-DC, 15 amps; 12V-DC, 8 amps; 24V-DC, 4 amps. Switches with other than standard contact settings or for special purposes are available on special order.

SPECIFICATIONS AND PART NUMBER—LOW PRESSURE SWITCHES

Standard Pressure Setting	Pressure Range	Single Circuit 1 Terminal		Single Circuit 2 Terminals		Dual Circuit 3 Terminals NO & NC
		Normally Open	Normally Closed	Normally Open	Normally Closed	
4 PSI	1-7 PSI	4000	4001	4006	4007	4012
15 PSI	7-30 PSI	4002	4003	4008	4009	4013
60 PSI	30-70 PSI	4004	4005	4010	4011	4014
100 PSI	70-150 PSI	14731	14729	14732	14728	14727

VACUUM SWITCHES

Pressure Range	Part No.
4" HG	4070
2 to 6" HG	4071
	4076
	4077

SAFETY PANEL SPECIAL SPEEDS

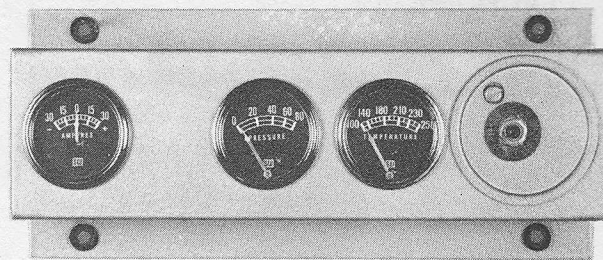
SPECIAL GAUGES

ENGINE SAFETY PANEL CONTINUOUS PROTECTION AUTOMATIC OPERATION . . .

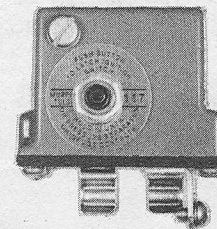
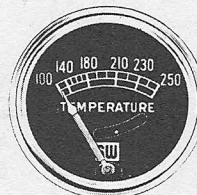
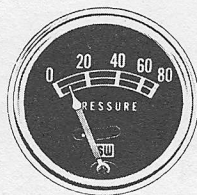
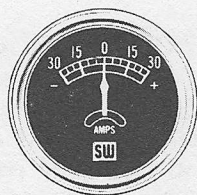
For the protection of unattended or remotely controlled internal-combustion engines on Irrigation Pumps, Oil Rigs, Generator Sets, Air Compressors, Fork Lift Trucks, Refrigerations Machines, Air Conditioners, etc.

MODEL 524-DF FOR BATTERY IGNITION AND DIESEL

Model 524-DF Safety Panel consists of the following: one No. 444446 Safety Oil Pressure Gauge; one No. 442412 Safety Water Temperature Gauge with 48", 72", or 144" tubing (specify length); one No. 82200 Ammeter; one No. 366-SP Stop Switch & Re-Set; installed in a weatherproof steel case with hammered aluminum finish. Complete wiring diagram and operating instructions.



REPLACEMENT GAUGES FOR SAFETY PANEL



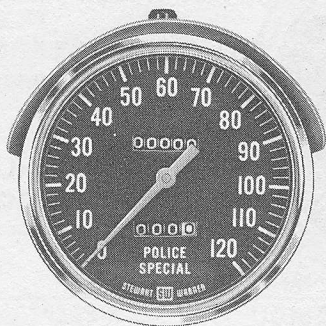
82200 Ammeter (30-0-30). Silicone-damped pointer. Terneplate case, 2 1/32" diam. Chrome bezel.

Safety Pressure Gauges.

444446 (0-80 lbs.)
Terneplate case, 2 1/32" diameter. Chrome bezel.
1/8" P.T. connection.

442412 Safety Water Temperature Gauge has 48" tubing and 1/2" P.T. connection. 72" and 144" tubing also available. 2 1/32" dia. case with chrome bezel.

366-SP Stop Switch and Re-Set.

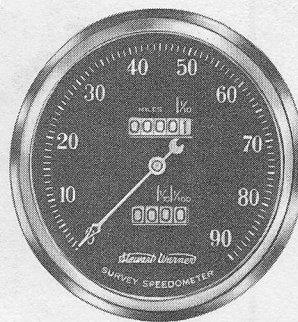


POLICE SPECIAL SPEEDOMETER

0-120 MPH

Model 540-D

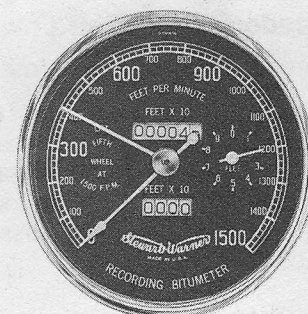
Made especially for police use. Large 4" dia., easy-to-read face dial has exclusive "touch-button" pointer lock. Shows positive proof of speeding. Season and trip odometers. 5/8"-18 external thread and .105 square hold. Non-glare indirect lighting included.



SURVEY SPEEDOMETER

Model 585-D-1

To measure speed and distance very accurately. Space utility poles, equipment depots. Check car speedometers; measure gas mileage; lay out rally courses. Four inch black and white face. Chrome bezel. Shaft connection 3/4"-20 internal thread. To replace original speedometer, use flex shaft with 3/4"-20 external thread at upper end and lower end same as original shaft.



RECORDING BITOMETER

Model 702-J

For accurate, economical road re-surfacing and oiling. Measures vehicle speed in FEET per minute. Enables operator to coordinate vehicle speed with flow or oil or bitumen to get exact coverage required. Face dial is black, 4 1/2" dia., with white numerals and adjustable, static orange pointer. Two odometers and tabulator show distance traveled to within fraction of a foot. Installation requires Fifth Wheel Drive. Right Angle shaft connection with 3/4"-20 internal thread with .105" square hole. Drive consists of the following:

- 1-Fifth Wheel Drive Assembly with 16" dia. wheel (Purchase from: E.D. Etnyre, Oregon, Illinois.)
- 1-No. 660-A Drive Joint. Use 4.125 ratio for Recording Bitometer; .790 ratio for Survey Speedometer.

SPECIAL GAUGES

PORTABLE TACH FARM SPEED

HAND HELD PORTABLE TACHOMETER FOR FARM OR IN-SHOP USE

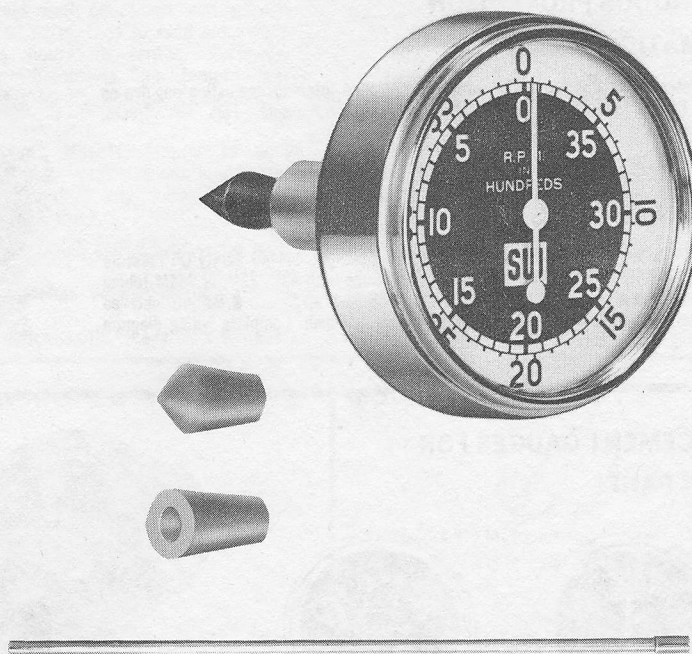
Accurate tach is used wherever end of shaft is accessible. Reads from 100 to 4,000 RPM in both clockwise and counter clockwise rotation.

Model 757-W 1

Includes Cone Tip No. 96798 for shafts with center hole and Cup Tip No. 96799 for shafts with flat or convex ends.

ACCESSORY SHAFT

412850 - 12" shaft for getting at hard-to-reach points.

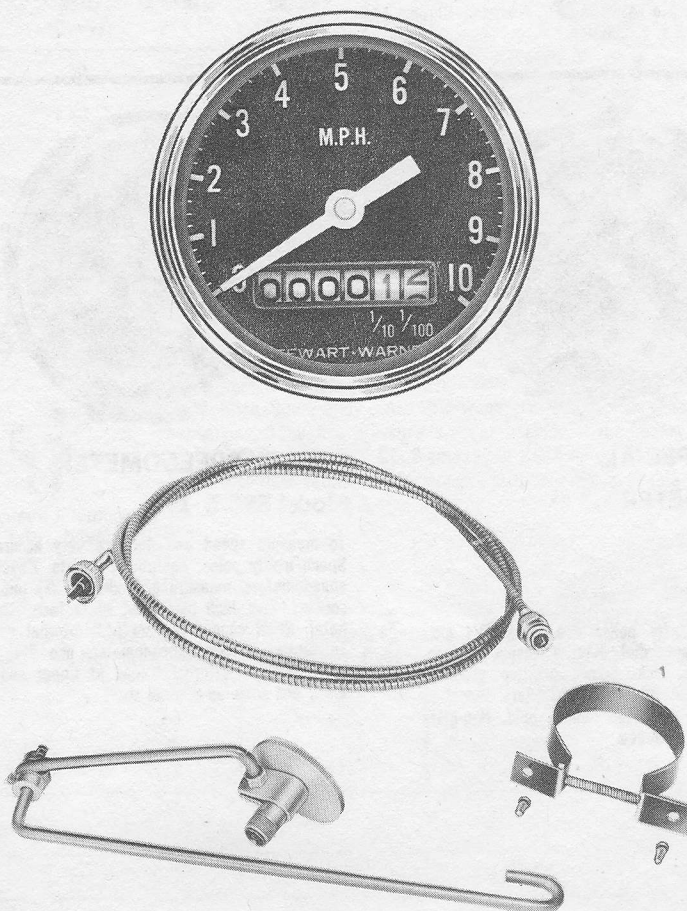


FARM TRACTOR 0-10 MPH SPEEDOMETER Speedometer Kit for Low-Speed Wheeled Vehicles

Driven from center of tire thread for true record of speed and distance traveled-regardless of terrain, condition of soil, engine RPM or transmission ratios.

KIT NO. 366-WL

Includes Speedometer (550-KM) Flexible Shaft 108" long (No. 95350), Mounting and Drive Equipment, and Installation Instructions (SER-SW 4057).



ELECTRIC FUEL PUMPS

FUEL PUMPS

- Assures quick starts
- Eliminates surging
- Eliminates flooding
- Eliminates starving

All electric fuel pumps assure quick starts by delivering gas the instant the ignition switch is turned on. Built-in filters in Model 240 series and 82050 series eliminates the need for other filters in the line.

MODEL 240 Series

Powerful piston type pump designed for modern high performance engines. Maximum pressure is 7 psi. Has built-in pressure adjustment to permit setting at any desired pressure up to maximum. Gas line connection: 1/4" Internal PT.

Model 240-A (12V) positive or negative ground

Model 240-C (24V) positive or negative ground

Model 240-D (12V) positive or negative ground—same as 240-A, less automatic pressure regulation. Preset at 5 1/2 psi. (Subject to field availability)

FILTER ELEMENT for 240 Series—Filter 425653

MODEL 82050 Series

Powerful piston type pump bringing solid state reliability to fuel pumps—has one moving part. Two filters: Micro-bon filter dissipates water, eliminates need for in line filter; Magnetic filter traps metallic particles. Gas line connection: 1/4" Internal PT.

Model 82050 (12V) negative ground - 7 psi

Model 82051 (12V) negative ground - 5 psi

Model 82052 (12V) positive or negative ground (Double Insulated) - 7 psi

FILTER ELEMENT for 82050 Series—Filter 82053

MODEL 235 Series

Utilizes built-in screen. Gas line connection: 1/4" Internal PT.

Model 235-A (12V) positive or negative ground - 5 psi

Model 235-B (6V) positive or negative ground - 5 psi

FUEL PUMP APPLICATION CHART

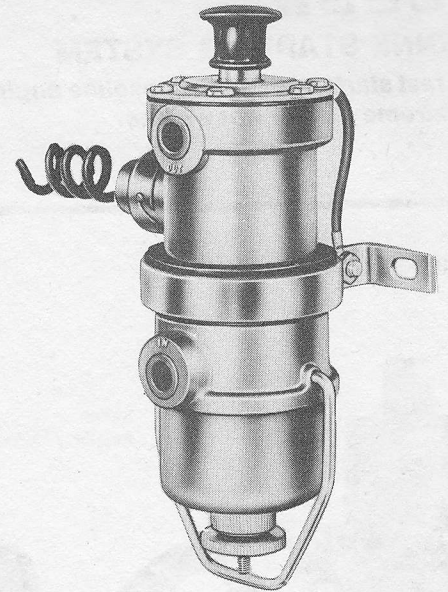
Model No.	Engine Horsepower	Delivery*	
		1 psi	3 psi
235-A	Up to 225	26	11
235-B	Up to 150	18	9
240-A+	Up to 350	43	40
82050	Up to 350	34	29
82051	Up to 350	31	24
82052	Up to 350	31	24

+ Factory adjusted to 4 psi

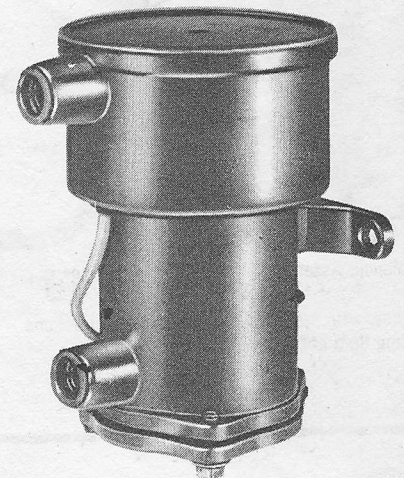
* Gallons per hour as per S-W lab test procedure. Suction lift: 2'. Discharge lift: 0'. Length of suction line: 16'. Length of discharge line: 2'. Diameter of line: 5/16" I.D. Test Fluid: gasoline.

SAFETY SWITCH RECOMMENDED (Hobbs No. 4012)

This is a single-pole, double-throw pressure switch that can be wired into the electrical system so as to shut off the electric fuel pump when the engine oil pressure drops below 4 P.S.I. In effect, this means that the pump would be shut off if the engine stopped running for any reason, even though the ignition switch remained on.



240 Series



82050 Series



235 Series

Hobbs

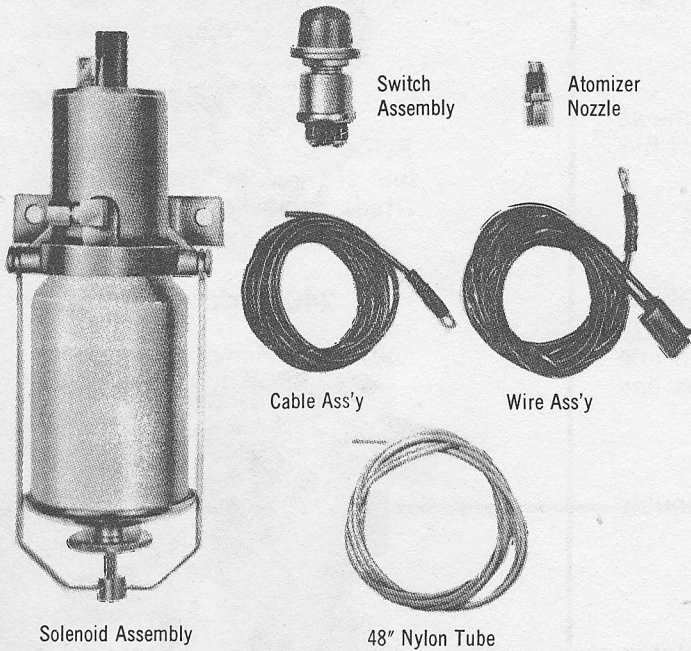
ENGINE STARTING SYSTEM

For fast starts of diesel or gasoline engines in extreme cold or wet weather

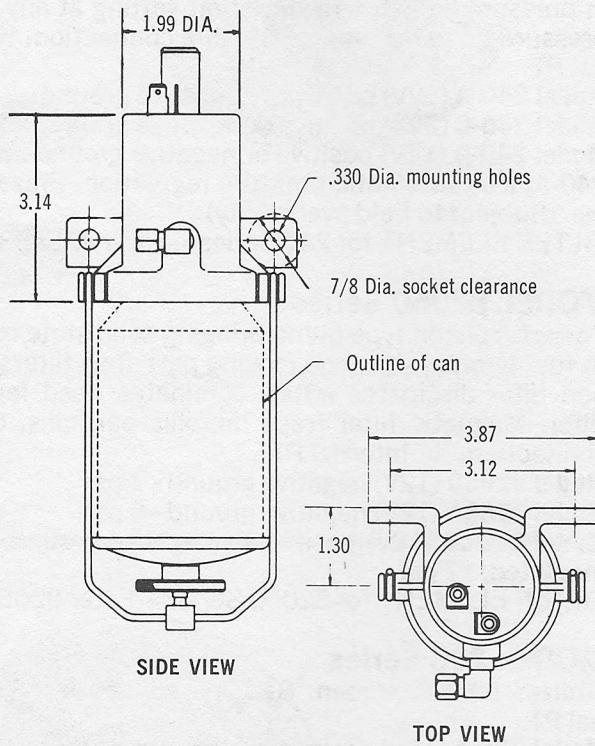
Used by several major original equipment manufacturers, the Hobbs System is reliable, safe and provides fast diesel and gasoline engine starting in cold weather or high moisture conditions. It can be installed to be operated at anytime the dash mounted switch is depressed or can be wired to the starting motor circuit to restrict operation only to the engine cranking cycle. The fluid from a standard 12 ounce starting fluid can is dispensed in a measured 2½ cc shot when the electric solenoid is energized.

Kit for 12V 19402 Kit for 24V 19696

BASIC KIT



BASIC DIMENSIONS



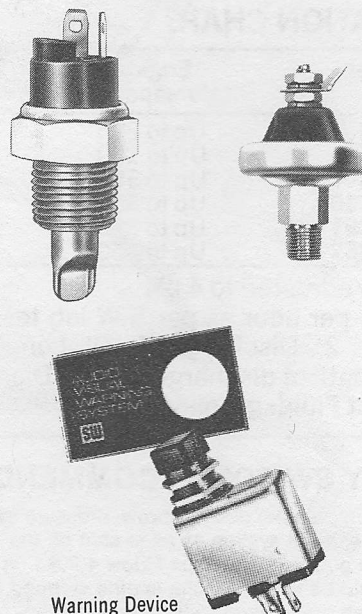
Complete with mounting hardware and instructions (starting fluid not included)

AUDIO-VISUAL ENGINE WARNING SYSTEMS

High intensity cold cathode diode light and buzzer warn you of impending high engine water temperature and/or low oil pressure. This unit sounds and lights each time the engine is started until oil pressure builds up, and at any time water temperature is excessive. Shock and vibration resistant. Mounts in panel to ½" thick.

Complete Kit 366-TJ includes 364-L oil pressure sender switch, 363-F water temperature sender switch, D-825104 warning device, nameplate and four ¼" speed grip electrical connectors.

Warning Device only, D-825104 for use separately with a sender to detect low pressure, low fluid, brake failure, etc. Also order extra warning device when oil pressure and water temperature warnings are desired to be separately signalled.



Warning Device

NOTES

	DATE	DESCRIPTION	AMOUNT	BALANCE

DATE	DESCRIPTION	AMOUNT	BALANCE

All Stewart-Warner sales models are composed of 1 or more parts. Each of these parts has an engineering part number (usually stamped on the part).

This chart identifies the "parent" Sales Model Number for many Engineering Part Numbers.

To order, the Sales Model Number must be used. Product cannot be ordered using Engineering Part Numbers.

Eng. Number	Sales Number	Eng. Number	Sales Number	Eng. Number	Sales Number	Eng. Number	Sales Number
334-F	280-EC	378-BX	281-E	470-AW	82112	551-ZE	272-D
334-H	280-EC	455-E	270-D	470-BJ	82309	551-ZF	272-E
334-J	280-EE	455-H	270-J	471-C	284-AJ	598-AA	273-D
334-T	280-EH	455-J	283-M	472-B	270-B	598-AB	273-E
334-AE	280-EJ	455-L	284-M	472-C	270-C	598-AP	82152
335-B	280-EK	455-AW	82111	472-E	284-AA	598-AR	82153
337-AM	281-A	455-BK	82303	472-F	284-AB	599-AD	82155
337-BF	82200	460-C	270-F	472-H	284-AD	599-AE	82156
337-BH	82201	460-E	283-L	472-H	82109	690-P	285-A†
337-BJ	82202	460-F	284-L	472-AA	82110	690-S	82404
338-R	270-A	460-H	284-T	490-BN	283-D	691-AB	285-D†
338-AB	282-A	460-R	284-AE	490-BP	283-E	691-AD	285-E†
338-AD	283-A	460-AR	82113	490-BR	284-D	691-AE	285-F†
338-AE	284-A	460-AS	82116	490-BS	284-E	691-AF	285-H†
338-CM	82108	460-BF	82304	490-BT	284-F	691-AJ	82405
338-DA	82302	460-BH	82305	490-BW	284-N	692-W	285-B*†
338-DB	82310	465-F	270-H	490-BX	284-P	692-X	285-C*†
338-DC	82311	465-N	283-J	490-BY	284-R	960-BR	272-F
338-DE	82312	465-P	283-K	490-BZ	284-S	960-BP	272-A
338-DF	82313	465-R	284-J	491-AK	283-B-72	960-BS	272-B
342-FW	281-D	465-S	284-K	491-AL	283-C-72	960-BT	272-C
344-F	281-F	465-AJ	284-AF	491-AM	284-B*	994-A	82157
346-FA	281-B-72	465-DH	82114	491-AN	284-C*	994-B	82158
348-R	281-H	465-DJ	82115	492-AM	283-F	996-H	82154
350-X	282-C	465-ER	82306	492-AN	284-AH	997-AA	82150
351-H	282-B-72	465-ES	82307	492-AR	285-J	997-AD	82151
353-CJ	82501	465-ET	82308	492-AZ	82117	821135	106-AW
362-ES	280-EA	470-D	270-E	492-BA	82400	825736	284-AL
362-ET	280-EB	470-L	283-H	492-BB	82300		
378-BW	281-C	470-M	284-H	499-D	284-AK		

*Specify Length

†Subject to field availability

SUPERSEDED/DISCONTINUED INTERCHANGE

INTERCHANGE

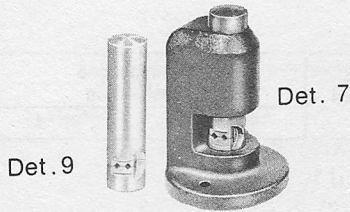
Superseded/ Discontinued Number	Recommended Substitution		Superseded/ Discontinued Number	Recommended Substitution		Superseded/ Discontinued Number	Recommended Substitution	
	Automotive	Marine		Automotive	Marine		Automotive	Marine
240-A-6V	235-B	—	311-HK	82308	—	702-D	702-J	—
240-D-12V	82051	—	352-DA	360-HY-1	—	997-C	997-B	—
270-A	—	82108	355-A	355-BM	82117	998-C	82600	—
270-B	—	82109	355-R	82400	—	998-D	998-H	—
270-C	—	82110	355-BL	355-BM	—	999-D	998-H	—
270-D	—	82111	355-BT	355-BM	—	82151	82150	82150
270-E	—	82112	356-BW-48	356-BW-60	—	64398	418614	—
270-F	—	82113	357-N	82200	—	64466	825128	—
270-H	—	82114*	357-W	82201	—	429370	997-R*	997-R*
270-J	—	82115	357-X	82202	—	432967	82150*	82150*
272-A	—	82150	359-L	82310	—	811196	814143**	—
272-B	—	994-E**	359-M	82311	82108	811658	817825	—
272-C	—	82150	359-CT	82311	82108	819891	—	—
272-D	—	—	359-EM	82310	—	819892	—	—
272-E	—	—	359-EN	82311	82108	819893	—	—
272-F	—	82150	359-EP	82302	—	891894	—	—
272-H	—	994-F**	360-A	D-360-JC	—	819895	—	—
273-D	—	82152	360-AD	D-360-JB	—			
273-E	—	82153	360-JW	D-360-JC	—			
285-A	82404	—	360-JY	D-360-JE	—			
285-B	692-E	—	361-A	D-361-CC	—			
285-C	442057	—	361-L	D-361-CB	—			
285-D	691-CB	—	361-CA-96,-120	361-CA-144	—			
285-E	82405	—	362-AA	D-362-DA	—			
285-F	—	—	366-AU	366-WL	—			
285-H	691-DB	—	366-JH	366-MS†	—	1906	20017	—
285-J	355-B	—	367-B	82405	—	1909	20019	—
288-B	288-A & 283-A	—	369-AW	82312	—	1932	—	—
288-C	288-A & 283-D	—	369-AX	82313	—	1935	—	—
288-D	288-A & 283-F	—	375-AK	—	—	5600	—	—
288-E	288-A & 283-J***	—	375-AL	82309	82112	5601	—	—
301-H	82303	82111	377-A	82331††	82109††	5611	—	—
301-CP	82303	82111	377-B	82313†††	82110†††	5612	—	—
306-G	82304	82113	546-A	—	546-B#	5613	—	—
306-DC	82304	82113	546-C	—	546-B##	5614	—	—
306-DD	82305	82116	546-D	—	546-E#	5628	—	—
311-W	82306	82114	546-F	—	546-B#	15031	—	—
311-R	82307	82115	551-SH	551-AKM	—			
311-HH	82306	82114	563-AB	550-KM	—			
311-HJ	82307(Water)*** 82115(Oil)***	82115***	690-C	82404	—			

Hobbs Hour Meters

*Uses Series 362 Sender—Order Separately.
 **Uses Sender 811532—Order Separately.
 ***Uses Series 334 or 280-ED Sender—Order Separately.

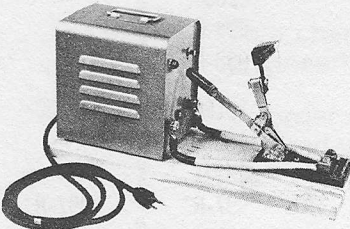
†Black Wrinkle Finish.
 ††Uses Shunt 813849—Order Separately.
 †††Uses Shunt 407616—Order Separately.
 #Does Not include Hour Meter
 ##Does Not include Hour Meter or Fuel Level Gauge.

*12V, Negative Ground
 **Bright Chrome



SWAGING AND CUTTING FIXTURE-No. T-136374

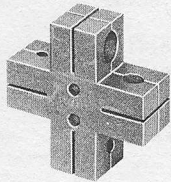
Designed to withstand hard usage. With Detail 7, as it is supplied, the fixture enables you to (1) cut bulk core stock; (2) swage a .104 sq. on bulk core; (3) crimp a tip securely to a core. Detail 9 is available for swaging a .124 sq. on .150 core, which is used on foreign cars.



ELECTRIC CORE CUTTER-No. T-318144

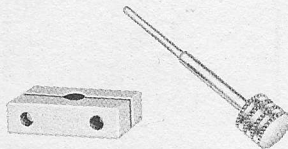
This easy-to-use, electrically operated core cutter safely cuts and welds .130" and .150" diameter, multi-strand bulk core stock with quick efficiency, in one operation. Two electrodes cut and bind wires-securely hold core during cutting operation. Operates on any 115 Volt, 60 Cycle AC power source.

NOTE: This tool essential for cutting High Torque core, to prevent raveling.



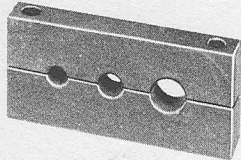
CASING CUTTING FIXTURE-No. T-265022

The fixture is designed for cutting all sizes of Stewart-Warner flexible shaft casing. It provides a perfect mitre box cut, thus preventing raveling of the casing.



CRIMPING TOOL-No. T-320637

This rugged, compact tool has been specifically designed for crimping ferrules on .333" diameter Dual-Plastic Casing. It consists of one pair of crimping jaws, and a support rod which is inserted into the casing, during the crimping operation, to retain proper casing I.D. it creates a positive union without crushing ferrules or damaging casing.



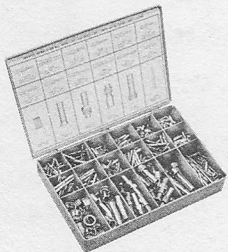
FERRULE CRIMPING TOOL-No. 429430

An extremely handy, compact tool designed for crimping various ferrules to Stewart-Warner bulk casing sizes .243, .297, and .445. It provides a positive means of crimping without a possibility of crushing casing or ferrules.



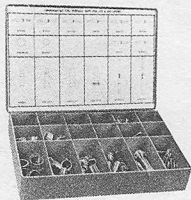
HI-LOW TEST LUBRICANT-No. 424440

This lubricant is unequalled for use on flexible shafts and drive joints. Lubricant will withstand temperature changes from +150°F. to -40°F. Net wt. 16 oz.



FLEXIBLE SHAFT FITTING KIT-No. 366-JJ

This assortment consists of the commonly used flexible shaft fitting for automotive installations using .150" or .187" diameter core and .445" dia. casing. Furnished in compact plastic box, with illustrated chart inside hinged cover for fast identification of contents.

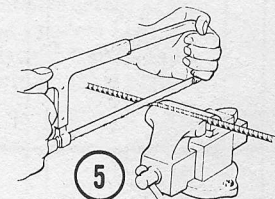
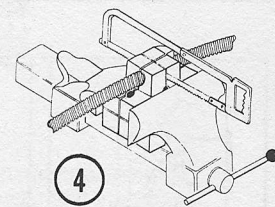
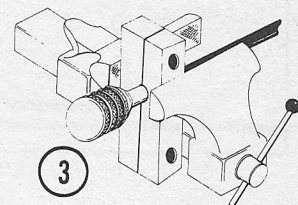
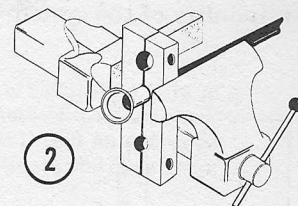
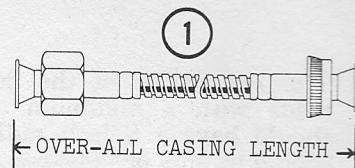


FLEXIBLE SHAFT FITTING KIT-No. 366-TA

This assortment consists of the commonly used flexible shaft fittings for heavy duty installations where compensating tips are used on lower end for .150" diameter core and .333" or .445" diameter casing. Furnished in compact plastic box, with illustrated chart inside cover for fast identification of contents.

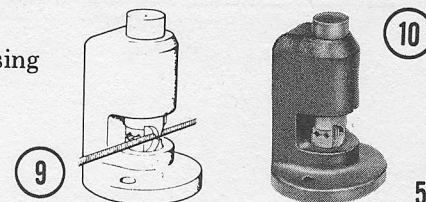
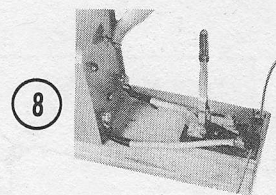
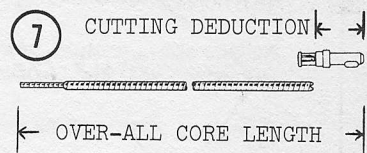
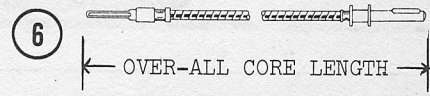
OUTER CASING ASSEMBLY

1. Refer to the following charts to select the proper casing, nuts, and ferrules needed to complete the outer casing assembly.
2. Determine correct length of casing assembly to be used - length of casing assembly is measured from end of ferrule to end of ferrule (Fig. 1). NOTE: File off the burrs, both inside and outside of the cut ends of the casing, to prevent wear.
3. Slide upper ferrule over casing until casing enters ferrule about 1" or is stopped by bushing in the ferrule. Do not allow casing to enter the bellshaped part of the ferrule.
4. Crimp upper ferrule to casing using ferrule crimping tool T-429430 (Fig. 2) for .243", .297", and .445" dia. casing, or tool T-320637 (Fig. 3) for .333" dia. casing. For tool T-320637, place mandrel into end of casing to prevent collapse of casing during crimping operation. Crimp until ferrule is securely attached to casing.
5. Measure casing to proper length allowing for the depth that the casing will enter the ferrule.
6. Cut casing to proper length using tool T-265022 (Fig. 4). Do not cut casing as shown in Fig. 5 for unraveling of casing may result.
7. Be certain that any parts such as nuts, grommets, etc. are put in place on the casing before attaching lower ferrule.
8. Before crimping ferrule on casing, determine how deep the casing end must enter the ferrule to obtain the correct over-all length of the outer casing assembly.
9. Crimp lower ferrule on casing using tool T-429430 or T-320637. Refer to Step 4.



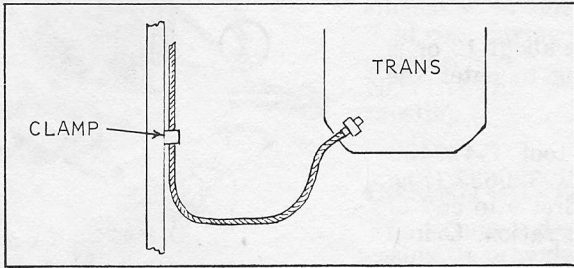
INNER CORE ASSEMBLY

1. Refer to the following charts to select the correct core and tips to be used. NOTE: It is recommended that the core be swaged before cutting. For best results, do not swag core ends before using electric core cutter.
2. Determine over-all length of core assembly - length of core assembly is measured from end of tip to end of tip. (Fig. 6).
3. The length to cut the new core is determined by subtracting the "cutting deduction" spec in the tip chart from the over-all length of the core assembly. If two tips are used, both "cutting deduction" specs must be subtracted from the over-all length (Fig. 7).
4. Cut core to proper length. Use electric core cutter T-318144 to cut .130-.150 cores only (Fig. 8). All core sizes may be cut using swaging-cutting fixture T-136374 (Fig. 9).
5. Attach corresponding upper and lower tip or swag tipless cores using cutting and swaging fixture T-136374 (Fig. 10).

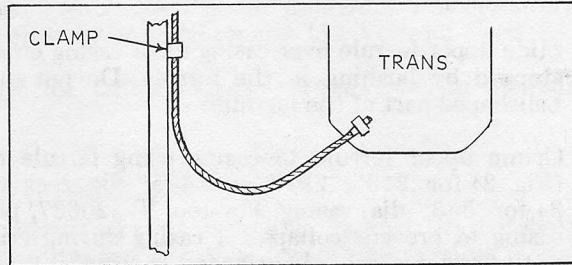


The installation of the flexible shaft should be made with a minimum of sharp bends. Bends should have a 6 inch radius or more and there should be only one 90° bend in each installation. If the bends are tighter than recommended, life and reliability of the system will be reduced.

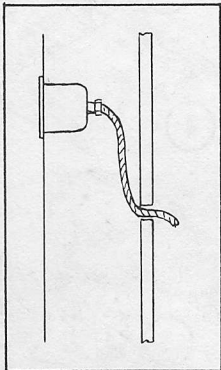
Clamp shafts at natural positions; in other words, do not force the shaft into some odd shape in order to tie it down with a clamp. In particular, avoid "S" turns caused by clamps used to guide the shaft around an obstruction.



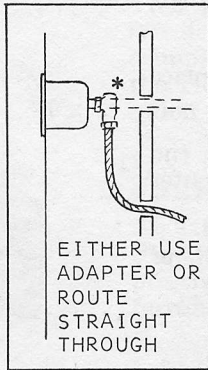
WRONG



RIGHT

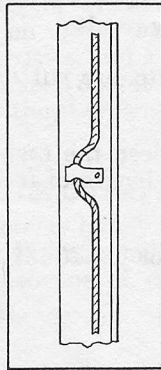


WRONG

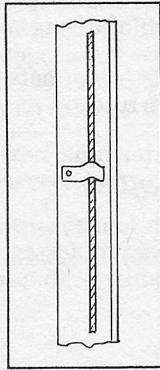


EITHER USE
ADAPTER OR
ROUTE
STRAIGHT
THROUGH

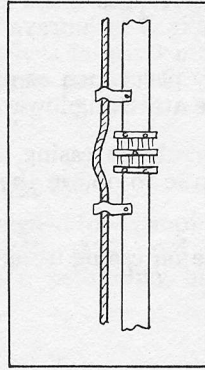
RIGHT



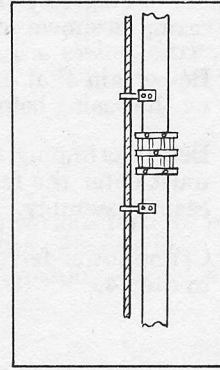
WRONG



RIGHT

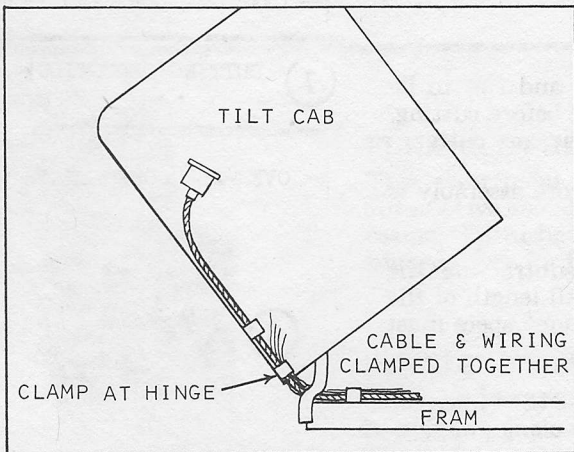


WRONG

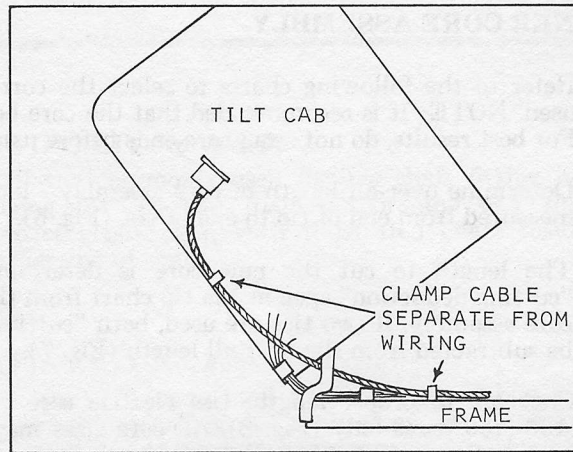


RIGHT

*Use right angle adapter
407010.



WRONG



RIGHT

DUAL PLASTIC CASING



This new type of flexible shaft Casing was specifically designed for OEM replacement, and meets or surpasses Original Equipment Manufacturer specifications. It is particularly suited for marine applications, farm equipment, and all automotive vehicles, including heavy equipment, trucks and busses.

This reinforced plastic Casing (available only in boxed lengths of 100 ft.) consists of a nylon inner liner, reinforced by wire braid, and an extruded Polypropylene cover which protects the core from water, oil, dirt and abrasion.

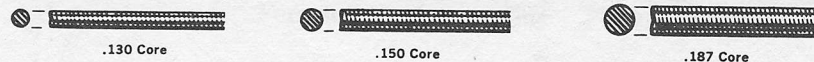
GALVANIZED STEEL CASING



VINYL COVERED, SEE BELOW

Stewart-Warner offers the finest, most rugged, flexible shaft Casing available, for dependable, trouble-free operation of Speedometers and Tachometers. This Casing is constructed of high grade, heat resistant, galvanized steel wire to afford maximum flexibility and strength while providing greatest protection of the core from damage by dirt, grit, water and abrasion. Stewart-Warner Casing also helps prevent installation problems by reducing the possibility of acute angle bending at the time of installation. This Casing is available with or without an extruded vinyl covering for installations where moisture is a factor. All Casing is packaged in boxed lengths of 100 ft.

MULTI - STRAND STEEL CORE



This multi-strand Core Stock provides a steady, high driving torque for consistent, reliable instrument performance; assures quiet, dependable flexible shaft operation.

This smooth-surfaced, non-raveling, highly flexible Core is composed of multiple-strand, highest grade carbon steel wire for exceptionally long life and dependability. Three core diameters, when used with the proper fittings, cover every application.

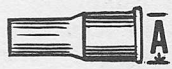
All core on Reels of 100 ft., 500 ft., and 1000 ft. lengths; except #418615 which comes on 50 ft., 100 ft. and 500 ft. Reels only.

BULK OUTER CASING

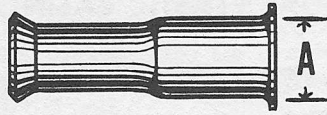
SIZE	WITH VINYL COVER	WITHOUT VINYL COVER
.243	813783	98578
.297	-0-	63323
.445	816647	20468
.333	Dual Plastic Casing 820905	

BULK INNER CORE

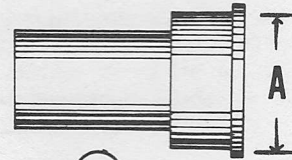
DIAMETER	PART NUMBER
.130 Left Lay	418614
.150 Left Lay	825128
.187 Right Lay	418615



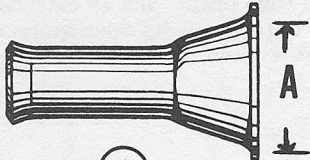
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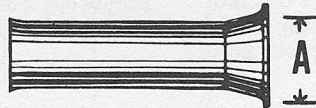
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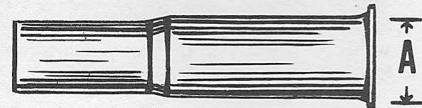
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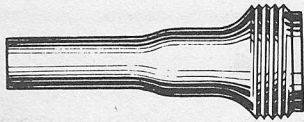
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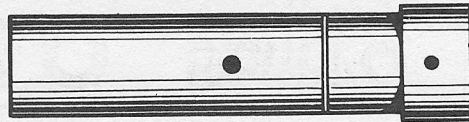
5



6



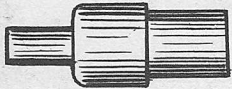
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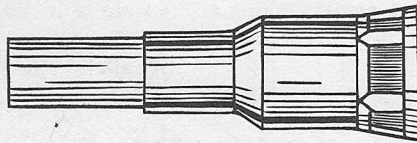
8



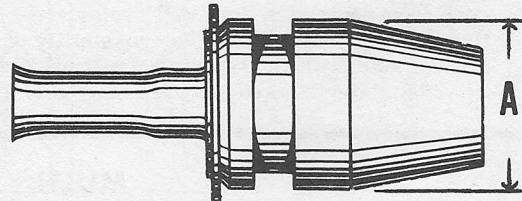
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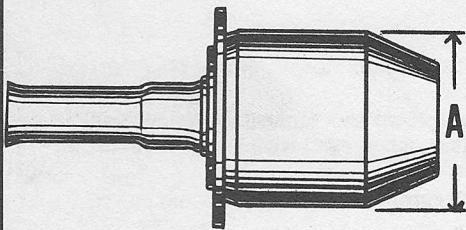
10



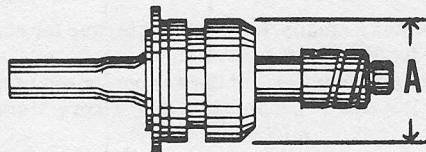
11



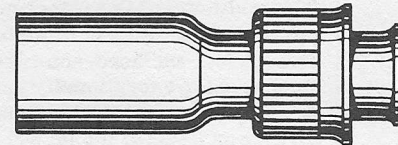
12



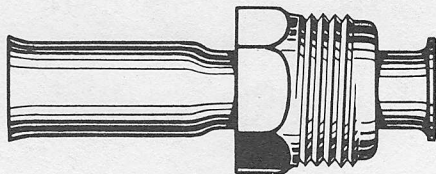
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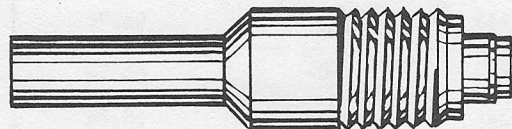
14



15



16



17

FERRULE SPECIFICATIONS

CORE & CASING

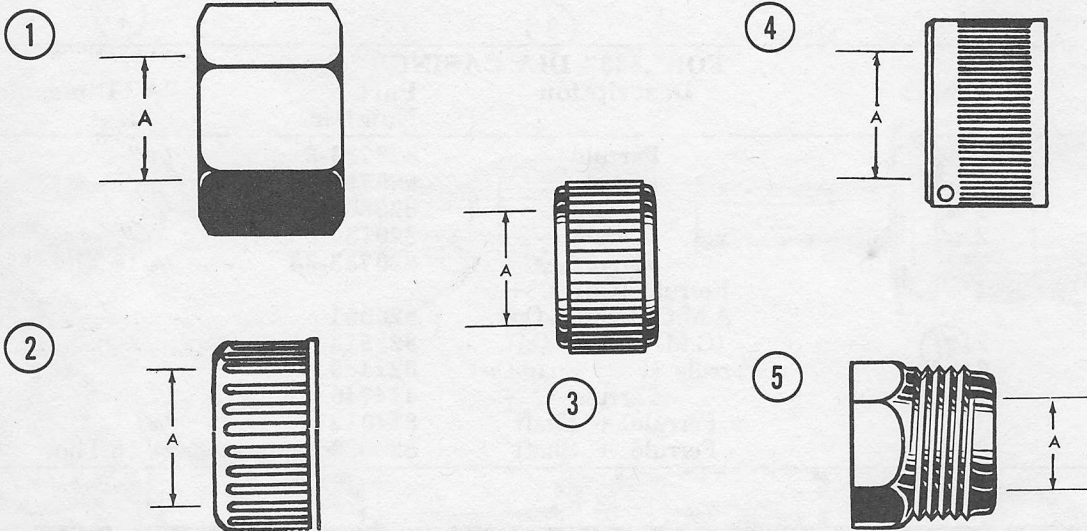
Illustration Number	Length	FOR .253" DIA. CASINGS		
		Description	Part Number	"A" Dimension
2	1 5/16"	Ferrule	95374	13/32"
2	1 5/16"	Ferrule	810809	13/32"
2	1 3/8"	Ferrule	94353	13/32"
4	1 5/16"	Ferrule	94354	43/64"
12	2 7/16"	Ferrule	417310	7/8"

Illustration Number	Length	FOR .297" DIA. CASINGS		
		Description	Part Number	"A" Dimension
2	1 5/16"	Ferrule	102547	9/16"
2	1 3/8"	Ferrule	63316	13/32"
3	1 5/16"	Ferrule	63315	43/64"
7	2 1/4"	Ferrule	69930	7/8-18 thd.
17	2 1/2"	Ferrule	423307	35/64"

Illustration Number	Length	FOR .333" DIA. CASINGS		
		Description	Part Number	"A" Dimension
1	1 3/8"	Ferrule	820733-3	7/16"
1	1 5/16"	Ferrule	820733-10	43/64"
1	1 7/8"	Ferrule	820852	7/16"
6	2 1/4"	Ferrule	820734-5	43/64"
7	2 1/4"	Ferrule	820733-33	7/8-18 Thd.
9	1 7/8"	Ferrule (Chrys. + A.M.C. Snap - On)	820051	-
11	2 1/8"	(G.M. Snap - On)	823813	-
10	2 5/16"	Ferrule (Ford Snap-On)	821146	--
13	2 7/32"	Ferrule	414740	1"
14	3 5/8"	Ferrule + Shaft	824012	7/8"
17	2 1/2"	Ferrule + Shaft	820480	5/8-18 Thd.

Illustration Number	Length	FERRULES FOR .445" DIA. CASINGS		
		Description	Part Number	"A" Dimension
1	2 11/64"	Ferrule	820211-2	1/2"
4	1 1/2"	Ferrule	400514	1/2"
4	2"	Ferrule	417231	1/2"
4	2"	Ferrule	425373	1/2"
5	1 1/2"	Ferrule	820500-3	1/2"
5	1 1/2"	Ferrule	426448	1/2"
5	2"	Ferrule	820211-1	1/2"
5	2"	Ferrule	820211-4	1/2"
5	2"	Ferrule	820211-7	1/2"
5	2"	Ferrule	820500-1	1/2"
5	2"	Ferrule	410215	1/2"
6	2 5/8"	Ferrule	820500-7	33/64"
7	2 1/4"	Ferrule	820500-11	7/8-18 Thd.
8	2 7/16"	Ferrule, Clutch + Collar Assembly	60462	-

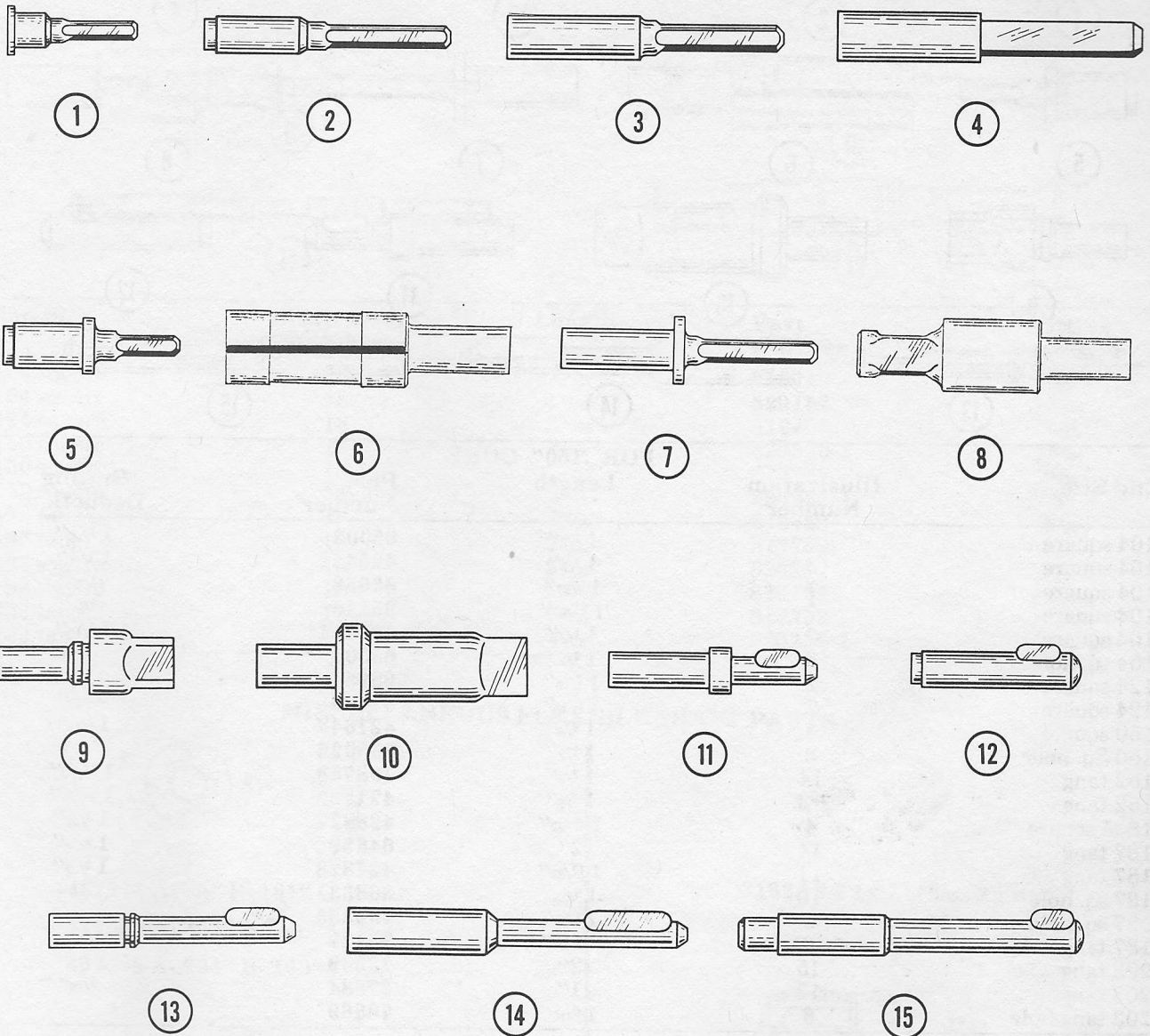
Illustration Number	Length	FERRULES FOR .445" DIA. CASING Description	Part Number	"A" Dimension
12	2 19/32"	Ferrule + Extension	820210-2	7/8"
12	2 21/32"	Ferrule + Extension	810624	7/8"
15	2"	Ferrule + Nut Assembly	431488	5/8-18 Thd.
15	2"	Ferrule + Nut Assembly	433198	5/8-18 Thd.
15	2"	Ferrule + Nut Assembly	820214-1	5/8-18 Thd.
15	2"	Ferrule + Nut Assembly	820214-2	5/8-18 Thd.
15	2"	Ferrule + Nut Assembly	820214-4	5/8-18 Thd.
16	1 15/16"	Ferrule + Nut Assembly	820213-2	5/8-18 Thd.
16	2 15/64"	Ferrule + Nut Assembly	401578	5/8-18 Thd.
16	2 15/16"	Ferrule + Nut Assembly	820215-1	3/4-20 Thd.



"A" Dimension	Thread Size	Illustration Number	Part Number
7/16"	3/4-20	5	820346-16
29/64"	3/4-20	3	820346-11
29/64"	3/4-20	5	820346-17
15/32"	5/8-18	1	820346-1
15/32"	5/8-18	2	820346-4
15/32"	5/8-18	4	417392
39/64"	3/4-20	3	820346-12
11/16"	7/8-18	1	820346-23
11/16"	7/8-18	2	820346-22
11/16"	7/8-18	3	72481
45/64"	7/8-18	1	820346-21

TIP SPECIFICATIONS

CORE & CASING

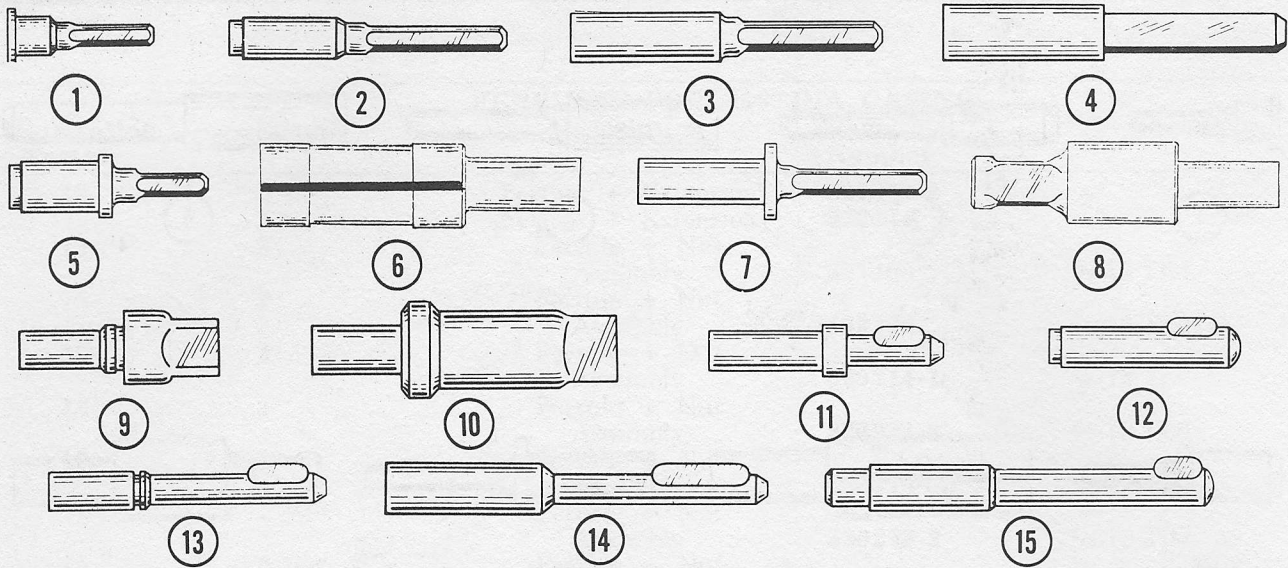


FOR .130" CORE

End Size	Illustration Number	Length	Part Number	Cutting Deduction
.104 square	7	1 5/32"	65290	23/32"
.104 square	1	13/16"	418035	1/16"
.124 square	2	1 7/16"	60457	1"
.124 square	5	31/32"	420090	7/16"
.152 tang	13	1 7/16"	400211	1 3/64"
.152 tang	14	1 5/8"	423913	1 3/16"
.152 tang	11	1 5/32"	63684	23/32"
.187 tang	14	2"	69819	1 9/16"
.187 tang	11	1 3/16"	104461	3/4"
.187 sq. hole	9	1 1/32"	400210	-
.203 tang	11	1 3/16"	63317	3/4"
.203 tang	12	1"	33710	9/16"

CORE & CASING

TIP SPECIFICATIONS



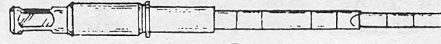
FOR .150" CORE				
End Size	Illustration Number	Length	Part Number	Cutting Deduction
.104 square	3	1 1/2"	65002	1 1/16"
.104 square	3	1 1/2"	425452	1 1/16"
.104 square	7	1 5/32"	65658	23/32"
.104 square	7	1 21/64"	95115	63/64"
.104 square	7	1 1/2"	425451	1 1/16"
.104 sq. hole	8	1 1/2"	65001	-
.124 square	2	1 7/16"	98984	1"
.124 square	7	1 5/32"	37683	23/32"
.150 square	3	1 3/4"	421643	1 1/16"
.150 Sq. hole	8	1 1/2"	815026	-
.152 tang	14	1 7/8"	408758	1 11/32"
.152 tang	13	1 7/8"	421795	1 23/64"
.1835 square	4	1 25/32"	428827	1 3/32"
.187 tang	14	2"	64339	1 9/16"
.187 tang	11	1 17/32"	427828	1 3/32"
.187 sq. hole	10	1 9/16"	36833	-
.187 sq. hole	9	1 1/32"	409353	-
.187 tang hole	6	1 9/16"	96127	-
.203 tang	15	2"	13909	1 9/16"
.203 tang	12	1"	37684	9/16"
.203 tang hole	6	1 9/16"	78869	-

FOR .187" CORE				
End Size	Illustration Number	Length	Part Number	Cutting Deduction
.104 square	3	1 1/2"	426106	1 1/16"
.104 square	5	1 5/32"	72010	23/32"
.104 square	7	1 35/64"	405137	1 7/64"
.104 sq. hole	8	1 1/2"	426056	-
.124 square	5	1 5/32"	69076	1 3/32"
.150 square	3	1 3/4"	105133	1 1/16"
.152 tang	14	2"	415996	1 5/16"
.152 tang hole	6	1 13/16"	406908	-
.1835 square	4	1 25/32"	414677	1 3/32"
.187 tang	14	2"	101254	1 5/16"
.187 tang	11	2"	426108	1 5/16"
.187 tang	11	2"	811192	1 5/16"
.187 sq. hole	10	1 1/4"	418811	-
.187 sq. hole	10	1 9/16"	98877	-
.187 tang hole	6	1 13/16"	101983	-
.193 square	4	1 25/32"	431487	1 3/32"
.193 sq. hole	10	1 9/16"	414676	-
.203 tang	14	2"	32912	1 5/16"
.203 tang hole	6	1 13/16"	39041	-

TIP SPECIFICATIONS

Compensating - Extension Tips

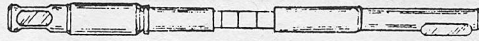
The following tips all have a .128 square hole on the drive end.



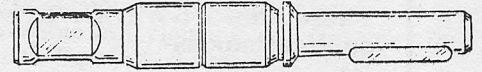
16



18



17



19

End Size	Illustration Number	Length	Part Number	Cutting Deduction
.104 square	18	2 7/32"	818749	31/32"
.104 square	18	2 57/64"	820152	1 41/64"
.124 square	18	2 7/32"	819468	31/32"
.150 square	16	4 1/4"	820219-2	2 63/64"
.150 square	18	2 7/32"	817767	31/32"
.150 square	16	4 1/4"	820220-1	3"
.152 tang	19	2 7/32"	818750	31/32"
.187 tang	19	2 7/32"	817769	31/32"
.193 square	18	2 7/32"	820257	31/32"
.193 square	18	2 57/64"	820153	1 41/64"
.203 tang	19	2 7/32"	817759	31/32"
.203 tang	17	4 3/8"	820219-1	3 1/4"

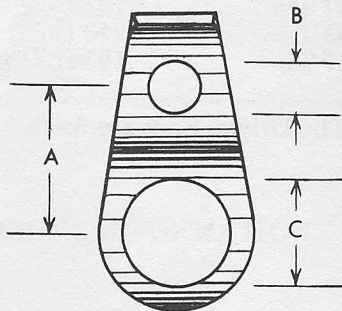
MISCELLANEOUS FLEXIBLE SHAFT PARTS



422174 A-.5/16" B-.161" C-.1/32"

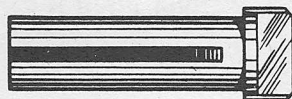
423585 A-.393" B-.146" C-.1/32"

431646 A-.234" B-.140" C-.1/32"



402398 A-.812" B-.281" C-.562"

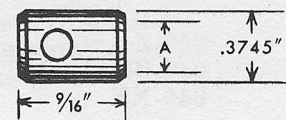
413982 A-.760" B-.13/32" x 9/32" C-.9/16"



33711 Slot. Clutch for .203 dia. Tip



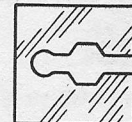
31622 8-32 x 1/4 Class 2 Fit



60459 Bushing, Diameter A-.5/16"



811024 Collar .130 hole diameter



97708 Swag Die for .130 Core
.218 dia. hole

Stewart-Warner offers a complete selection of box, straight and angle type Drive Joints designed to correct the rotation of speedometer or tachometer flexible shaft assemblies. During the life of a vehicle, if a change in tire size or rear axle ratio is desired, a corrective Drive Joint should be added to compensate for this change in order for the

speedometer to read correctly. It is necessary to specify the ratio required when ordering a Drive Joint.

The following charts will indicate the variety of Drive Joints available, and other general applications. For model and ratio information, please consult your local Stewart-Warner sales office.

These Stewart-Warner Drive Joints are especially suited for such applications as-

- Mounting a flexible shaft on an instrument having limited rear access.
- Changing direction of flexible shaft rotation.
- Preventing acute angle bends in the flexible shaft.
- Mounting dual instruments off one engine-as in the case of Marine Flying Bridge tachometer installations.
- Connecting accessory instruments, such as taxi meters, to the flexible shaft ass'y.

DRIVE JOINT SUBSTITUTION FOR SERIES 649, 651, 652, 667, & 668

Stewart-Warner has three types of Drive Joints that have much in common and, therefore, in many cases are interchangeable with each other. Such a change is often desirable when a specific installation requires a heavier duty drive joint to

withstand rugged use, such as unusual vibration conditions. The chart provides a reference for substituting one model for the other, when drive and driven connections are the same.

EXTRA HEAVY DUTY	HEAVY DUTY	LIGHT ROTATION DUTY		*DRIVE END 7/8-18 Internal	DRIVEN END 7/8-18 External
651-B	649-B	667-SC	Direct	.203 Tip	.213 Hole
651-D	649-D,BD	667-D	Direct	.152 Tip	.161 Hole
651-X	649-X	667-X	Direct	.187 Tip	.191 Hole
651-BR	-	668-SC	Reverse	.203 Tip	.213 Hole
-	-	668-SN	Reverse	.104 Square	.105 Sq. Hole
651-XR	649-Z	668-SX	Reverse	.187 Tip	.191 Hole
652-BR	649-BR	-	Reverse	.203 Tip	.213 Hole
652-XR	649-XR	-	Reverse	.187 Tip	.191 Hole

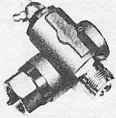

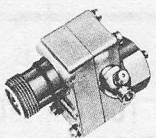
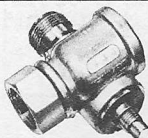
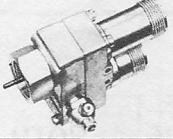
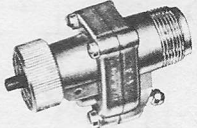
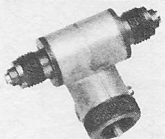
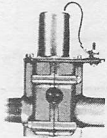
* Drive End Tips for these models are removable and interchangeable. The Driven Ends are fixed.



DRIVE ADAPTER KIT- No. 366-NE

For Model 666 and 777 series drive adapter. Parts in this assortment will make up any model in any gear ratio. Tools and instructions are provided. Handy for quick repairs or ratio change.

MOST POPULAR MODEL SERIES

Type	Model	Application	Outstanding Features
	649	Truck Marine	Die Cast Housing Heavy Duty Construction Needle Bearings Reverse or Direct Drive
	651-652	Truck Marine	Extra-Heavy Duty Construction Malleable Iron Housing Needle Bearings, Threaded Sleeves All Models Equipped With Lubrication Fittings
	666	Automobile Truck	Light Duty Construction Offset Drive Bearing Supported Input and Output Shafts Die Cast Housing
	667-668	Automobile Light Truck	Light Duty Construction Die Cast Housing
	669	Automobile Marine Truck	Light Duty Construction Dual Output Die Cast Housing Installed at Transmission
	777	Automobile Truck	Light Duty Construction Straight-Through Drive Die Cast Housing Compact Construction
	778-T	Automobile Truck Taxi	Light Duty Construction Dual Output Die Cast Housing Installed On Back of Speedometer or Tachometer
	779	Truck	For 2 or 3-Speed Rear Axles Electrically Operated Die Cast Housing

ORDERING INFORMATION

Customer must specify Drive Joint Model Number with Suffix Letter and Ratio required. For example: To order Model 649 with .203 Tang and .213 Slotted Hole-ratio .500; specify (Model 649-B Ratio .500).

BASIC DRIVE JOINT TIP SIZES

For Models 649, 651, 652, 666, 777	For Models 667, 668	End Connections	
		Drive	Driven
B	SC	.203 tang	.213 slotted hole
D	SD	.152 tang	.161 slotted hole
F	SN	.104 square	.105 square hole
X	SX	.187 tang	.191 slotted hole

NOTE: Suffix "B" or "SC" specifies .203 Tang and .213 Slotted Hole; suffix "D" or "SD" specifies .152 Tang and .161 Slotted Hole; etc.

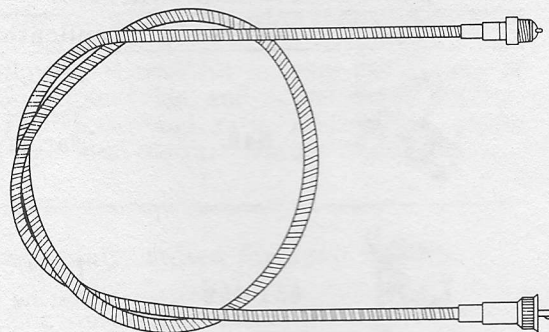
FLEXIBLE SHAFTS

UNIVERSAL CORE CROSS REFERENCE

COMPLETE SHAFT ASSEMBLIES

These pre-assembled Shafts are precision built, factory lubricated and ready to install, and are available for direct installation in passenger cars currently on the road. They consist of carbon steel core, dual plastic reinforced casing, and appropriate end fittings to suit the particular installation for which the shaft is selected.

To select a replacement shaft, simply locate the make and model of the automobile on the Applications Chart and order the Complete Shaft number indicated.



HOW TO SELECT SHAFTS AND CORES

- (1) Locate the Make, Model and Year of the automobile in the alphabetical "Applications" listing.
- (2) To select a Complete Shaft, consisting of core, casing, drive tips and end fittings, specify the number shown in Column "A".
- (3) To select Core only, order the number shown in Column "C", cut and assemble Core to length indicated in Column "B".

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER A	UNIVERSAL CORE	
				LENGTH TIP TO TIP B	PART NO. C

UNIVERSAL CORE .130" Diameter

This 21-strand, non-raveling, tempered steel core can be used as replacement stock for any Original Equipment flexible shaft that utilizes standard diameter core. These cores are available in three lengths, left hand wound types, to serve the widest range of normal applications. Each length of Universal Core is furnished with .104 sq. drive tip, .104 sq. swaged lower end, swaging die and easy-to-follow installation instructions.

To install, simply cut the core to the length required, attach the drive tip to the upper end, and insert into the flexible shaft assembly.

PART NO.	DIRECTION OF WIND	LENGTH
130-B81	LH	81"
130-B114	LH	114"
130-B150	LH	150"

CROSS REFERENCE CHART

ECHLIN UNITED TO S-W FLEXIBLE SHAFT

UNITED NO.	UNITED CASING LENGTH	S-W EQUIVALENT	UNITED NO.	UNITED CASING LENGTH	S-W EQUIVALENT	UNITED NO.	UNITED CASING LENGTH	S-W EQUIVALENT	UNITED NO.	UNITED CASING LENGTH	S-W EQUIVALENT
48300	71	446874-73	48342	68½	446874-68	48365	41	446874-43	48392	47¾	446872-51
48301	80	446874-85	48343	64¼	446109-69	48366	68¾	446873-71	48393	71	446873-75
48315	60	446874-63	48344	61	446874-63	48367	63⅝	446317-64	48394	54¼	446874-58
48320	59	446317-64	48345	77⅛	446874-79	48369	70	446874-73	48395	53	446109-60
48321	54	446874-58	48346	52⅝	446874-53	48370	75	446874-79	48396	63	446874-63
48322	61⅛	446109-60	48348	55	446874-58	48371	41	446874-43	48399	64	446874-68
48323	72⅝	446874-73	48349	72½	446874-73	48372	72½	446874-73	48401	48	446874-48
48324	74	446874-79	48351	57⅝	441609-60	48373	67⅝	446874-68	48406	50	446946-52
48325	60	446874-63	48352	53¼	446874-58	48374	68¾	446872-71	48407	58	446946-58
48326	53½	446874-58	48353	60	446874-63	48375	78	446874-79	48409	65	446946-70
48327	71	446874-73	48355	64	446874-68	48377	63¼	446872-66	48420	61⅛	446940-62
48328	60	446874-63	48356	75	446874-79	48378	61	446874-63	48422	75¼	446940-74
48330	66¼	446109-69	48357	64	446874-68	48379	68⅝	446874-68	48425	53⅝	446940-56
48331	60	446872-62	48358	77½	446874-79	48380	54¼	446872-56	48426	50⅝	446940-51
48337	62	446872-62	48361	58	446874-58	48384	57	446873-61	48427	68	446940-70
48338	61	446872-62	48362	37⅝	446874-39	48385	64¼	446872-66	48433	68⅜	446773-68
48339	69⅝	446872-72	48363	58¾	446872-62	48387	77	446873-75	48436	37½	446946-40
48341	66	446874-68	48364	63¼	446872-62	48388	76	446872-72	48444	28⅜	446945-32
									48445	17⅝	446945-25

CROSS REFERENCE

FLEXIBLE SHAFTS

AC TO STEWART-WARNER FLEXIBLE SHAFT

AC SHAFT NUMBER	AC CASING LENGTH	S-W EQUIVALENT	AC SHAFT NUMBER	AC CASING LENGTH	S-W EQUIVALENT	AC SHAFT NUMBER	AC CASING LENGTH	S-W EQUIVALENT	AC SHAFT NUMBER	AC CASING LENGTH	S-W EQUIVALENT
CC-1	67½	446874-68	CC-99	77½	446874-79	CC-191	51	446626-65	CC-359	52½	446874-53
CC-2	67¼	446874-68	CC-100	75	446874-79	CC-198	61	446874-63	CC-361	36	446874-39
CC-6	80	446874-85	CC-102	64	446874-68	CC-201	30	446874-30	CC-362	55	446946-58
CC-15	68 ¹⁵ / ₁₆	446109-69	CC-104	72½	446874-73	CC-203	42	446874-43	CC-363	57	446946-58
CC-17	57½	446874-58	CC-108	60	446874-63	CC-204	48	446874-48	CC-365	58	446946-58
CC-21	59 ¹⁵ / ₁₆	446109-60	CC-109	62½	446874-63	CC-205	54	446874-58	CC-366	61	446946-64
CC-22	55	446874-58	CC-113	55	446874-58	CC-206	60	446874-73	CC-367	62	446946-64
CC-23	60	446874-63	CC-114	72	446874-73	CC-207	66	446874-68	CC-368	64	446946-64
CC-24	53½	446874-58	CC-115	55	446874-58	CC-208	72	446874-73	CC-369	65	446946-70
CC-25	56	446872-56	CC-118	75	446874-79	CC-209	78	446874-79	CC-370	67	446946-70
CC-26	65	446874-68	CC-119	72½	446874-73	CC-210	84	446874-85	CC-371	70	446946-70
CC-28	70	446874-73	CC-120	54	446874-58	CC-212	48	446872-51	CC-372	78	446946-84
CC-29	52½	446874-53	CC-121	56	446874-58	CC-216	66	446872-66	CC-373	43	446946-44
CC-30	54	446874-58	CC-123	57	446874-58	CC-217	64	446874-68	CC-376	40	446946-40
CC-31	50	446874-53	CC-124	62	446874-63	CC-220	35	446874-39	CC-377	57	446874-58
CC-32	56	446874-58	CC-126	55	446873-55	CC-224	62	446874-68	CC-378	80	446946-84
CC-34	70	446874-73	CC-127	75	446873-75	CC-225	72	446874-73	CC-379	20	446946-21
CC-35	55	446874-58	CC-129	59	446626-65	CC-228	38	446874-39	CC-383	63	446946-64
CC-36	72½	446874-73	CC-131	50	446874-53	CC-230	38	446874-39	CC-385	75	446946-76
CC-38	67½	446874-68	CC-132	72	446874-73	CC-231	63	446626-65	CC-386	34¾	446946-36
CC-40	52½	446874-53	CC-133	36	446874-39	CC-237	68	446874-68	CC-387	56	446874-58
CC-43	52½	446874-53	CC-134	49	446874-53	CC-238	66	446874-68	CC-388	39	446946-40
CC-44	52½	446874-53	CC-135	62	446874-63	CC-242	52	446874-53	CC-389	65	446874-68
CC-45	57½	446874-58	CC-136	58	446874-58	CC-243	56	446874-58	CC-390	37½	446946-40
CC-55	72½	446874-73	CC-138	50	446874-53	CC-244	57	446874-58	CC-391	51	446874-53
CC-57	58	446874-58	CC-142	66	446874-68	CC-245	70	446874-73	CC-392	59	446874-63
CC-58	61	446874-63	CC-143	59	446874-63	CC-246	57	446874-58	CC-393	55½	446874-58
CC-60	68½	446874-73	CC-143	63½	446874-68	CC-251	39	446874-39	CC-394	73	446946-76
CC-61	47½	446874-48	CC-149	64	446874-68	CC-289	55	446874-58	CC-403	66	446946-70
CC-62	55	446874-58	CC-150	69	446874-73	CC-294	54	446874-58	CC-410	39	446946-40
CC-63	50	446874-53	CC-156	56	446874-58	CC-312	48	446874-48	CC-411	74	446946-76
CC-64	77½	446874-79	CC-160	52	446874-53	CC-340	37	446946-40	CC-412	54	446946-58
CC-70	57	446872-62	CC-161	54	446874-58	CC-341	29	446946-31	CC-417	53	446946-58
CC-71	47	446874-48	CC-162	45	446874-48	CC-342	33	446946-36	CC-505	44	446874-48
CC-72	48	446874-48	CC-163	51	446874-53	CC-344	21	446946-21	CC-507	52	446874-53
CC-73	61	446874-63	CC-164	53	446874-53	CC-345	26	446874-26	CC-508	56	446874-58
CC-74	68½	446874-79	CC-165	71	446874-73	CC-346	27¼	446946-31	CC-528	36	446946-36
CC-75	67½	446874-68	CC-170	62	446874-63	CC-347	31	446946-31	CC-529	40	446946-40
CC-77	65	446874-68	CC-174	41	446874-43	CC-347	31	446946-31	CC-530	44	446946-44
CC-83	75	446874-79	CC-174	41	446874-43	CC-348	36	446946-36	CC-531	48	446946-52
CC-84	67	446873-67	CC-175	58	446874-58	CC-348	36	446946-36	CC 532	52	446946-52
CC-85	62	446873-62	CC-181	70	446874-73	CC-349	34	446946-36	CC-533	56	446946-58
CC-86	54	446874-58	CC-183	50	446874-53	CC-350	37	446946-40	CC-534	60	446946-64
CC-87	56½	446874-58	CC-184	55	446874-58	CC-352	43	446946-44	CC-534	60	446946-64
CC-93	57½	446874-58	CC-184	55	446874-58	CC-354	49	446946-52	CC-535	64	446946-64
CC-94	67½	446874-68	CC-185	50	446874-53	CC-354	49	446946-52	CC-535	64	446946-64
CC-95	52	446874-53	CC-185	50	446874-53	CC-355	48	446874-48	CC-536	68	446946-70
			CC-186	57	446874-58	CC-355	48	446874-48	CC-536	68	446946-70
			CC-186	57	446874-58	CC-356	49	446946-52	CC-537	72	446946-76
			CC-187	46	446874-48	CC-356	49	446946-52	CC-537	72	446946-76
			CC-188	56	446874-58	CC-357	52	446946-52	CC-538	76	446946-76
						CC-358	52	446874-53	CC-540	84	446946-84

FLEXIBLE SHAFTS

AMERICAN MOTORS

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
AMERICAN MOTORS					
AMBASSADOR					
1973	304, 360, 401 W/Auto W/O Spd. Cont.		446821-60	60 ³⁵ / ₆₄	130-B81
	V-8, Auto. W/Spd. Cont. Trans to Spd. Cont.		446874-63	64 ⁵ / ₃₂	130-B81
	V-8, Auto W/Spd. Cont. Spd. Cont. to Speedo.		446821-60	60 ³⁵ / ₆₄	130-B81
1972	6 Cyl. W/Auto W/O Spd. Cont.		446821-60	60 ³⁵ / ₆₄	130-B81
	V-8 W/Auto., W/O Spd. Cont.		446821-60	60 ³⁵ / ₆₄	130-B81
	V-8 W/Auto, W/Spd. Cont. Trans to Spd. Cont.		446874-58	59 ⁵ / ₃₂	130-B81
	V-8 W/Auto, W/Spd. Cont. Spd. Cont. to Speedo.		446821-60	60 ³⁵ / ₆₄	130-B81
	V-8 W/Auto, W/O Spd. Cont. (Police Special)		446874-58	59 ⁵ / ₃₂	130-B81
	V-8 W/Auto, W/Spd. Cont. (Police Special)		446874-43	44 ⁵ / ₃₂	130-B81
1971	Std. Trans.		446872-62	57 ¹¹ / ₁₆	130-B81
	Auto. W/O Cruise Comd.		446872-62	59 ¹¹ / ₁₆	130-B81
	Auto. W/Cruise Comd., Reg. to Spd.		446874-48	44 ⁷ / ₃₂	130-B81
	Auto. W/Cruise Comd., Trans. to Reg.		446872-62	62 ¹¹ / ₁₆	130-B81
1970	Std. Trans.		446872-62	57 ¹¹ / ₁₆	130-B81
	Auto W/O Cruise Contr., exc. 232		446872-62	61 ¹¹ / ₁₆	130-B81
	232, W/Auto., W/O Cruise Contr.		446872-62	61 ¹¹ / ₁₆	130-B81
	Auto., W/Cruise Contr., Reg. to Spd.		446874-48	44 ⁷ / ₃₂	130-B81
	Auto., W/Cruise Contr., Trans. To Spd.		446872-62	62 ¹¹ / ₁₆	130-B81
1969 & 1968	6 Cyl., Std. Trans.		446872-62	59 ⁵¹ / ₆₄	130-B81
	6 Cyl., Auto. & Std. Trans W/OD		446872-62	63 ⁵¹ / ₆₄	130-B81
	290-V8, Std. Trans.		446872-62	59 ⁵¹ / ₆₄	130-B81
	290-V8, 4 Spd.		446872-72	69 ⁵¹ / ₆₄	130-B81
	290-V8, Auto. & Std. Trans W/OD		446872-62	63 ⁵¹ / ₆₄	130-B81
	343-V8, 4 Spd.		446872-72	69 ⁵¹ / ₆₄	130-B81
	343-V8, Std. Trans W/O.D.		446872-62	63 ⁵¹ / ₆₄	130-B81
1967	3 Spd. Std.		446872-62	59 ¹¹ / ₁₆	130-B81
	4 Spd. Std.		446872-72	69 ¹¹ / ₁₆	130-B81
	Auto. & O.D.		446872-62	63 ¹¹ / ₁₆	130-B81
1966	(6650) W/232 Eng., Std., Auto. & O.D.		446872-62	62 ⁵¹ / ₆₄	130-B81
	(6650) W/287 Eng., Std. & Auto		446872-62	60 ⁵¹ / ₆₄	130-B81
	(6650) W/287 Eng., 4 Spd.		446872-66	68 ⁵¹ / ₆₄	130-B81
	(6650) W/287 Eng., O.D.		446872-62	64 ⁵¹ / ₆₄	130-B81
	(6650) W/327 Eng., Std. & 4 Spd.		446872-66	68 ⁵¹ / ₆₄	130-B81
	(6650) W/327 Eng., Auto		446872-62	60 ⁵¹ / ₆₄	130-B81
1965	Std. & O.D. Trans.		446872-62	58 ⁵¹ / ₆₄	130-B81
	Auto. (Except 900)		446872-62	64 ⁵¹ / ₆₄	130-B81
	Auto. 900		446872-62	62 ⁵¹ / ₆₄	130-B81
1964	(6480) Std. & O.D. Trans		446872-66	68 ⁵¹ / ₆₄	130-B81
	(6480) Auto		446872-62	64 ⁵¹ / ₆₄	130-B81

AMERICAN

1969 & 1968	6 Cyl. Std. Trans.		446872-62	59 ⁵¹ / ₆₄	130-B81
	6 Cyl. Std. W/O.D. & Auto. Trans.		446872-62	61 ⁵¹ / ₆₄	130-B81
	8 Cyl. Std. & Auto. Trans.		446872-62	61 ⁵¹ / ₆₄	130-B81
	8 Cyl. 4 Spd.		446872-66	66 ⁵¹ / ₆₄	130-B81
1967	6 Cyl. 199 Cu. in. & V-8 290 Cu. in. W/Std. Trans.		446872-62	59 ¹¹ / ₁₆	130-B81
	6 Cyl. 199 Cu. in. & V-8 290 Cu. in. W/Auto & O.D. Trans.		446872-62	61 ¹¹ / ₁₆	130-B81
	6 Cyl. 232 Cu. in. Auto & 3 Spd. Std.		446872-62	61 ¹¹ / ₁₆	130-B81
	6 Cyl. 232 Cu. in 4 Spd.		446872-66	66 ¹¹ / ₁₆	130-B81
1966	(6601) Std. Trans.		446872-62	64 ⁵¹ / ₆₄	130-B81
	(6601) Auto. Trans.		446872-62	62 ⁵¹ / ₆₄	130-B81
	(6601) 4 Spd.		446872-66	66 ⁵¹ / ₆₄	130-B81
	(6601) O.D. Trans.		446872-62	62 ⁵¹ / ₆₄	130-B81
1965	Std. Trans.		446872-51	50 ⁵¹ / ₆₄	130-B81
	O.D. & Auto. Trans.		446872-62	62 ⁵¹ / ₆₄	130-B81
1964	(6401) Std. Trans.		446872-51	50 ⁵¹ / ₆₄	130-B81
	(6401) O.D. & Auto. Trans.		446872-62	62 ⁵¹ / ₆₄	130-B81

AMERICAN MOTORS

AMX

1970	4 Spd. Trans.		446872-72	69 ¹¹ / ₁₆	130-B81
	Auto. Trans.		446872-62	63 ¹¹ / ₁₆	130-B81
1969 & 1968	290-V8, 4 Spd. Trans.		446872-72	69 ⁵¹ / ₆₄	130-B81
	290-V8, Auto Trans.		446872-62	63 ⁵¹ / ₆₄	130-B81
	343-V8 & 390-V8, 4 Spd. Trans.		446872-72	69 ⁵¹ / ₆₄	130-B81
	343-V8 & 390-V8, Auto. Trans.		446872-62	63 ⁵¹ / ₆₄	130-B81

CLASSIC

1967	6 Cyl. 232 Cu. In. 3 Spd.		446872-62	59 ¹¹ / ₁₆	130-B81
	6 Cyl. 232 Cu. In. 4 Spd.		446872-72	69 ¹¹ / ₁₆	130-B81
	6 Cyl. 232 Cu. In. Auto. & O.D.		446872-62	63 ¹¹ / ₁₆	130-B81
	8 Cyl. 290 Cu. In. 3 Spd.		446872-62	59 ¹¹ / ₁₆	130-B81
	8 Cyl. 290 Cu. In. Auto. & O.D.		446872-62	63 ¹¹ / ₁₆	130-B81
	8 Cyl. 343 Cu. In. 4 Spd.		446872-72	69 ¹¹ / ₁₆	130-B81
	8 Cyl. 343 Cu. In. Auto.		446872-62	63 ¹¹ / ₁₆	130-B81

1966

(6610) 232 Eng., Std. Trans.		446872-62	62 ⁵¹ / ₆₄	130-B81
(6610) 232 Eng., W/O.D.		446872-62	62 ⁵¹ / ₆₄	130-B81
(6610) 232 Eng., Auto. Trans.		446872-62	62 ⁵¹ / ₆₄	130-B81
(6610) 232 H.D. Eng., Std. Trans.		446872-62	62 ⁵¹ / ₆₄	130-B81
(6610) 287 Eng., Std. & Auto. Trans.		446872-62	62 ⁵¹ / ₆₄	130-B81
(6610) 287 Eng., 4 Spd.		446872-66	68 ⁵¹ / ₆₄	130-B81
(6610) 287 Eng., W/O.D.		446872-62	64 ⁵¹ / ₆₄	130-B81
(6610) 327 Eng., Std. & 4 Spd. Trans.		446872-66	68 ⁵¹ / ₆₄	130-B81
(6610) 327 Eng., Auto. Trans.		446872-62	62 ⁵¹ / ₆₄	130-B81

1965

All 6 Cyl.		446872-62	64 ⁵¹ / ₆₄	130-B81
8 Cyl., Std. Trans.		446872-62	58 ⁵¹ / ₆₄	130-B81
8 Cyl., O.D. Trans.		446872-66	66 ⁵¹ / ₆₄	130-B81
8 Cyl., Auto. Trans.		446872-62	64 ⁵¹ / ₆₄	140-B81
1964 (6410-196) All Trans.		446872-62	64 ⁵¹ / ₆₄	130-B81
(6410-232) Std. Trans.		446872-62	60 ⁵¹ / ₆₄	130-B81
(6410-232) O.D. Trans.		446872-66	66 ⁵¹ / ₆₄	130-B81
(6410-232) Auto. Trans.		446872-62	64 ⁵¹ / ₆₄	130-B81
(6410-287) Std. & O.D. Trans.		446872-66	68 ⁵¹ / ₆₄	130-B81
(6410-287) Auto. Trans.		446872-62	64 ⁵¹ / ₆₄	130-B81

1963

(6310) All			62	130-B81
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GREMLIN

1973	W/Std. Trans.		446872-62	64 ⁵³ / ₆₄	130-B81
	W/Auto. Trans.		446874-63	64 ⁵ / ₃₂	130-B81
1972	W/Std. Trans.		446872-62	64 ⁵³ / ₆₄	130-B81
	6 Cyl. W/Auto. -L.T.C.S.		446874-63	64 ⁵ / ₃₂	130-B81
	6 & 8 Cyl. W/Auto. -L.T.C.S. or W.T.C.S.		446874-58	59 ⁵ / ₃₂	130-B81
1971	Std. Trans.		446872-66	65 ¹¹ / ₁₆	130-B81
	Auto. Trans.		446872-62	63 ¹¹ / ₁₆	130-B81

HORNET

1973	W/Std. Trans.		446872-62	64 ⁵³ / ₆₄	130-B81
	W/Auto. Trans.		446874-63	64 ⁵ / ₃₂	130-B81
1972	W/Std. Trans.		446872-62	64 ⁵³ / ₆₄	130-B81
	6 Cyl. W/Auto. -L.T.C.S.		446874-63	64 ⁵ / ₃₂	130-B81
	6 & 8 Cyl. W/Auto L.T.C.S. or W.T.C.S.		446874-58	59 ⁵ / ₃₂	130-B81
	RH Drive W/Auto		446874-79	80 ⁵ / ₃₂	130-B81
1971 & 1970	Std. Trans.		446872-66	65 ¹¹ / ₁₆	130-B81
	4 Spd. Trans.		446872-72	69 ¹¹ / ₁₆	130-B81
	Auto. Trans.		446872-62	63 ¹¹ / ₁₆	130-B81

JAVELIN

1973	6 Cyl. & 304V8, Std. Trans. W/O A.C.		446937-65	67 ³ / ₆₄	130-B81
	6 Cyl. & 304V8, Std. Trans. W/A.C.		446937-65	67 ³ / ₆₄	130-B81
	6 & V-8 W/Auto. W/O A.C.		446821-60	60 ³⁵ / ₆₄	130-B81
	6 & V-8 W/Auto. W/A.C.		446821-68	68 ³⁵ / ₆₄	130-B81
	360, 401 V-8 W/4 Spd.		446937-74	76 ³ / ₆₄	130-B81

AMERICAN MOTORS, BUICK

FLEXIBLE SHAFTS

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE		MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO (B)	PART NO. (C)					LENGTH TIP TO (B)	PART NO. (C)
AMERICAN MOTORS						BUICK					
JAVELIN (Cont'd)						APOLLO					
1972						1975					
6 Cyl. Auto. W/O A.C.			446821-60	60 ³⁵ / ₆₄	130-B81	W/Auto. Trans.			446946-76	72 ⁷ / ₁₆	113-B81
6 Cyl. Auto. W/A.C.			446821-68	68 ³⁵ / ₆₄	130-B81	W/3 Spd. Trans. & W/2 pc. Shaft - Upper			446946-44	43 ⁷ / ₁₆	113-B81
304, 360, Auto. W/A.C.			446821-60	60 ³⁵ / ₆₄	130-B81	W/Cruise - Upper			446946-36	36 ⁷ / ₁₆	113-B81
401 W/Auto. L.T.C.S. W/O A.C.			446821-60	60 ³⁵ / ₆₄	130-B81	W/Cruise - Lower			446874-58	60 ¹ / ₈	113-B81
401 W/Auto. W.T.C.S. W/AC			446821-60	60 ³⁵ / ₆₄	130-B81	1974					
401 W/Auto L.A.C.S. W/AC			446874-58	59 ⁵ / ₃₂	130-B81	W/Auto. Trans.			446946-64	64 ⁷ / ₁₆	113-B81
360, 401 W/4 Spd.			446937-74	76 ³ / ₆₄	130-B81	3 Spd. Synchro Trans. - Upper			446946-44	44 ⁷ / ₁₆	113-B81
1971						BUICK (Regular Car)					
Std. or Auto. Trans. W/Air Cond.			446937-65	61 ⁵ / ₈	130-B81	1966					
Std. or Auto. Trans. W/O Air Cond.			446937-65	66 ⁵ / ₈	130-B81	All, (exc. Wildcat 3 Spd. Synchro)			446874-58	58 ¹ / ₈	130-B81
4 Spd. Trans.			446937-74	76 ¹ / ₈	130-B81	Wildcat (3 Spd. Synchro)			446874-73	71 ¹ / ₈	130-B81
1970 Std. Trans.			446872-62	61 ¹¹ / ₁₆	130-B81	All (W/Electro Cruise)			446874-58	58 ¹ / ₈	130-B81
4 Spd. Trans.			446872-72	69 ¹¹ / ₁₆	130-B81	1964					
Auto. Trans.			446872-62	63 ¹¹ / ₁₆	130-B81	Series 4600, 4700, 4800			446874-58	57 ¹ / ₈	130-B81
1969 & 1968						Series 4000, 4100, 4300, 4900			446874-58	58 ¹ / ₈	130-B81
6 Cyl., Std. Trans.			446872-62	61 ⁵¹ / ₆₄	130-B81	W/Auto. & 2 Spd. Trans.			446874-48	47 ¹ / ₈	130-B81
6 Cyl., Auto. Trans.			446872-62	63 ⁵¹ / ₆₄	130-B81	1963 & 1962					
290-V8 & 343-V8, Std. Trans.			446872-62	61 ⁵¹ / ₆₄	130-B81	All (exc. Special)			446874-58	55 ¹ / ₈	130-B81
290-V8 & 343-V8, Auto. Trans.			446872-62	63 ⁵¹ / ₆₄	130-B81	Special (exc. 4 Spd.)			446874-58	56 ¹ / ₈	130-B81
290-V8 & 343-V8, 4 Spd. Trans.			446872-72	69 ⁵¹ / ₆₄	130-B81	Special W/4 Spd.			446874-58	57 ¹ / ₈	130-B81
MARLIN						Electro Cruise			446874-53	51 ¹ / ₈	130-B81
1967 3 Spd. Std. Trans.			446872-62	59 ¹¹ / ₁₆	130-B81	All, (exc. Special)			446874-73	73 ³ / ₄	130-B81
4 Spd. Std. Trans.			446872-72	69 ¹¹ / ₁₆	130-B81	Special W/Synchro Trans.			446874-63	61 ⁹ / ₆₄	130-B81
Auto. and O.D. Trans.			446872-62	63 ¹¹ / ₁₆	130-B81	Special W/Auto. Trans.			446874-68	63 ⁴¹ / ₆₄	130-B81
1966						All			446874-79	76 ¹ / ₈	130-B81
(6680) W/232 Eng., Std. Auto. & O.D.			446872-62	60 ⁵¹ / ₆₄	130-B81	CENTURION					
(6680) W/287 Eng., Std. & Auto.			446872-62	60 ⁵¹ / ₆₄	130-B81	1971					
(6680) W/287 Eng., 4 Spd.			446872-66	68 ⁵¹ / ₆₄	130-B81	Spd. Cont.-Upper			446946-40	40 ⁷ / ₁₆	130-B81
(6680) W/287 Eng., O.D.			446872-62	64 ⁵¹ / ₆₄	130-B81	Spd. Cont.-Lower & Max Trac Turbo					
(6680) W/327 Eng., Std. & 4 Spd.			446872-66	68 ⁵¹ / ₆₄	130-B81	Hydra 400 Trans.			446874-58	57 ¹ / ₈	130-B81
(6680) W/327 Eng., Auto.			446872-62	60 ⁵¹ / ₆₄	130-B81	Auto Turbo Hydra 350 Trans.			446946-58	56 ⁷ / ₁₆	130-B81
MATADOR						CENTURY REGAL					
1973						1975					
6 Cyl. W/Std. Trans.			446937-65	67 ³ / ₆₄	130-B81	W/Auto. Trans.			446946-70	66 ⁷ / ₁₆	130-B81
6 Cyl. W/Auto. W/O Spd. Cont.			446821-60	60 ³⁵ / ₆₄	130-B81	W/Cruise - Upper			446946-31	30 ⁷ / ₁₆	130-B81
304 & 360, 401 W/Auto, W/O Spd. Cont.			446821-60	60 ³⁵ / ₆₄	130-B81	W/Cruise - Lower			446874-58	55 ¹ / ₈	130-B81
1972						1974					
6 Cyl., W/Auto, W/O Spd. Cont.			446821-60	60 ³⁵ / ₆₄	130-B81	Std. Man Trans. W/Console			446946-84	84 ⁷ / ₁₆	130-B114
6 Cyl. W/Std. Trans (Police Special)			446872-56	58 ⁵³ / ₆₄	130-B81	W/Auto. Trans.			446946-70	70 ⁷ / ₁₆	130-B81
V-8, Auto. W/O Spd. Cont.			446821-60	60 ³⁵ / ₆₄	130-B81	W/Cruise - Upper			446946-40	40 ⁷ / ₁₆	130-B81
V-8, Auto. W/Spd. Cont. - Trans to Spd. Cont.			446874-53	54 ⁵ / ₃₂	130-B81	W/Cruise - Lower			446874-58	59 ⁵ / ₃₂	130-B81
V-8, Auto. W/Spd. Cont. Spd. Cont. to Speedo.			446821-60	60 ³⁵ / ₆₄	130-B81	1973					
1971						W/Console Man. Trans.			446946-84	84 ⁷ / ₁₆	130-B114
Std. Trans.			446872-62	57 ¹¹ / ₁₆	130-B81	W/Auto Trans. Std. Car			446946-70	70 ⁷ / ₁₆	130-B81
4 Spd. Trans.			446872-66	65 ¹¹ / ₁₆	130-B81	W/Cruise - Upper			446946-40	40 ⁷ / ₁₆	130-B81
Auto. Trans. W/O Cruise Command.			446872-62	59 ¹¹ / ₁₆	130-B81	W/Cruise - Lower			446874-58	59 ⁵ / ₃₂	130-B81
Auto. W/Cruise Comd., Reg. to Spd.			446874-48	44 ⁷ / ₃₂	130-B81	ELECTRA					
Auto. W/Cruise Comd., Trans. to Reg.			446872-62	62 ¹¹ / ₁₆	130-B81	1975					
1970						W/O Cruise & W/T.H.M.			446946-58	53 ⁷ / ₁₆	130-B81
Spd. Trans.			446872-62	61 ¹¹ / ₁₆	130-B81	W/Cruise & W/Air Restraints - Lower			446874-53	51 ¹ / ₈	130-B81
4 Spd. Trans.			446872-72	69 ¹¹ / ₁₆	130-B81	W/Cruise & W/O Air Restraints - Lower			446874-53	51 ¹ / ₈	130-B81
Auto. W/O Cruise Contr.			446872-62	63 ¹¹ / ₁₆	130-B81	1974					
Trans. W/O.D.			446872-66	65 ¹¹ / ₁₆	130-B81	W/O Cruise & W/T.H.M.			446946-52	52 ⁷ / ₁₆	130-B81
Auto. W/Cruise Contr., Reg. to Spd.			446874-39	36 ⁷ / ₃₂	130-B81	W/O Cruise & W/Air Restraint			446946-76	76 ⁷ / ₁₆	130-B81
Auto. W/Cruise Contr., Trans. to Reg.			446872-62	62 ¹¹ / ₁₆	130-B81	W/Cruise - Upper			446946-40	40 ⁷ / ₁₆	130-B81
REBEL						W/Cruise - Lower			446874-58	59 ⁵ / ₃₂	130-B81
1969 & 1968						W/Cruise - Upper			446946-52	52 ⁷ / ₁₆	130-B81
6 Cyl. Std. Trans.			446872-62	59 ⁵¹ / ₆₄	130-B81	W/Cruise - Lower			446874-58	59 ⁵ / ₃₂	130-B81
6 Cyl. Auto. & Std. Trans W/O.D.			446872-62	63 ⁵¹ / ₆₄	130-B81	1973					
290-V8, Std. Trans.			446872-62	59 ⁵¹ / ₆₄	130-B81	W/Cruise - Upper			446946-40	40 ⁷ / ₁₆	130-B81
290-V8, 4 Spd.			446872-72	69 ⁵¹ / ₆₄	130-B81	W/Cruise - Lower T.H.M.					
290-V8, Auto. & Std. Trans W/O.D.			446872-62	63 ⁵¹ / ₆₄	130-B81	350, 375, 400 Trans.			446874-58	59 ⁵ / ₃₂	130-B81
343-V8, 4 Spd.			446872-72	69 ⁵¹ / ₆₄	130-B81	W/O Cruise & W/T.H.M. 350, 375, 400 Trans.					
343-V8, Auto. Trans.			446872-62	63 ⁵¹ / ₆₄	130-B81				446946-58	58 ⁷ / ₁₆	130-B81

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE		MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)					LENGTH TIP TO TIP (B)	PART NO. (C)
BUICK						BUICK					
ELECTRA (Cont'd)						LESABRE (Cont'd)					
1972	W/Cruise - Upper		446946-40	407/16	130-B81	1972	W/Cruise - Upper		446946-40	407/16	130-B81
	W/Cruise - Lower & W/T.H.M. 350 & 400		446874-58	59 ⁵ / ₃₂	130-B81		W/Cruise - Lower & W/T.H.M. 350 & 400		446874-58	59 ⁵ / ₃₂	130-B81
	W/O Cruise & W/T.H.M. 400 or 3 Spd. Man. Trans.		446946-58	587/16	130-B81		W/O Cruise & W/T.H.M. 400 or 3 Spd. Man. Trans.		446946-58	587/16	130-B81
	W/O Cruise & W/T.H.M. 350		446946-64	647/16	130-B81		W/O Cruise & W/T.H.M. 350		446946-64	647/16	130-B81
1971	Spd. Cont. - Upper		446946-40	407/16	130-B81	1971	Spd. Cont. - Upper		446946-40	407/16	130-B81
	Spd. Cont. - Lower & Max Trac Turbo						Spd. Cont. - Lower & Max Trac Turbo				
	Hydra 400 Trans.		446874-58	57 ¹ / ₈	130-B81		Hydra 400 Trans.		446874-58	57 ¹ / ₈	130-B81
	Auto Turbo Hydra 350 Trans.		446946-58	567/16	130-B81		Auto Turbo Hydra 350 Trans.		446946-58	567/16	130-B81
1970	Spd. Cont. - Upper		446946-40	397/16	130-B81	1970	Spd. Cont. - Upper		446946-40	397/16	130-B81
	Spd. Cont. - Lower		446874-68	66 ¹ / ₈	130-B81		Spd. Cont. - Lower		446874-68	66 ¹ / ₈	130-B81
	W/O Spd. Cont.		446946-76	737/16	130-B81		W/O Spd. Cont.		446946-76	737/16	130-B81
1969	Spd. Cont. - Upper		446946-31	27 ¹¹ / ₁₆	130-B81	1969	Spd. Cont. - Upper		446946-31	27 ¹¹ / ₁₆	130-B81
	Spd. Cont. - Lower		446874-48	49 ¹ / ₈	130-B81		Spd. Cont. - Lower		446874-48	49 ¹ / ₈	130-B81
	Auto. Trans.		446946-70	657/16	130-B81		Auto. Trans.		446946-70	657/16	130-B81
1968	W/Auto (exc. Cruise Master)		446874-63	59 ¹ / ₈	130-B81	1968	W/Auto (exc. Cruise Master)		446874-63	59 ¹ / ₈	130-B81
	Electra W/Auto. (Lower Cruise Master)		446874-48	48 ¹ / ₈	130-B81		LeSabre W/Auto. (Lower Cruise Master)		446874-48	45 ¹ / ₈	130-B81
1967	W/Electro Cruise		446874-58	58 ¹ / ₈	130-B81	1967	W/Electro Cruise		446874-58	58 ¹ / ₈	130-B81
ESTATE WAGON						RIVIERA					
1975	W/O Cruise & W/T.H.M.		446946-58	537/16	130-B81	1975	W/O Cruise		446946-52	497/16	113-B81
	W/Cruise - Lower & W/T.H.M. 350-375		446874-58	55 ¹ / ₈	130-B81		W/Cruise & W/Air Restraints - Lower		446874-53	51 ¹ / ₈	113-B81
	W/Cruise - Lower & W/T.H.M. 400		446874-53	51 ¹ / ₈	130-B81	1974	W/O Cruise & W/Std. Trans.		446946-52	527/16	113-B81
1974	W/O Cruise & W/T.H.M.		446946-52	527/16	130-B81		W/O Cruise & W/Air Restraint		446946-76	767/16	113-B81
	W/Cruise - Upper		446946-40	407/16	130-B81		W/Cruise - Upper		446946-44	447/16	113-B81
	W/Cruise - Lower		446874-58	59 ⁵ / ₃₂	130-B81		W/Cruise & W/Air Restraint - Upper		446946-52	527/16	113-B81
1972	W/Cruise - Upper		446946-40	407/16	130-B81		W/Cruise - Lower		446874-58	59 ⁵ / ₃₂	113-B81
	W/Cruise - Lower & W/T.H.M. 350 & 400		446874-58	59 ⁵ / ₃₂	130-B81	1973-1972	W/Cruise - Lower & W/T.H.M. 400 Trans.		446874-58	59 ⁵ / ₃₂	113-B81
	W/O Cruise & W/T.H.M. 400 or 3 Spd. Man. Trans.		446946-58	587/16	130-B81		W/O Cruise Master		446946-52	527/16	113-B81
	W/O Cruise & W/T.H.M. 350		446946-64	647/16	130-B81	1971	Spd. Cont. - Upper		446946-44	447/16	130-B81
1971	Spd. Cont. - Upper		446946-40	407/16	130-B81		Spd. Cont. - Lower and Max Trac Turbo				
	Spd. Cont. - Lower & Max Trac Turbo						Hydra 400 Trans.		446874-58	57 ¹ / ₈	130-B81
	Hydra 400 Trans.		446874-58	57 ¹ / ₈	130-B81		W/O Spd. Cont. W/Max Trac		446946-58	567/16	130-B81
	Auto Turbo Hydra 350 Trans.		446946-58	567/16	130-B81		W/O Spd. Cont.		446946-52	527/16	130-B81
1970	Spd. Cont. - Upper		446946-40	397/16	130-B81	1970	Spd. Cont. - Upper		446946-40	37 ¹⁵ / ₁₆	130-B81
	Spd. Cont. - Lower		446874-68	66 ¹ / ₈	130-B81		Spd. Cont. - Lower		446874-53	52 ¹ / ₈	130-B81
	W/O Spd. Cont.		446946-76	737/16	130-B81		W/O Spd. Cont.		446946-52	497/16	130-B81
1969	Spd. Cont. - Upper		446946-21	217/16	130-B81	1969	Spd. Cont. - Upper		446946-21	217/16	130-B81
	Spd. Cont. - Lower		446874-26	27 ¹ / ₈	130-B81		Spd. Cont. - Lower		446874-26	27 ¹ / ₈	130-B81
	W/O Spd. Cont.		446946-52	497/16	130-B81		W/O Spd. Cont.		446946-52	497/16	130-B81
1968	W/Auto. (Exc. Cruise Master)		446874-48	49 ¹ / ₈	130-B81	1968	W/Auto. (Exc. Cruise Master)		446874-48	49 ¹ / ₈	130-B81
1965 & 1964	W/3 Spd. Auto. Trans.		446874-58	57 ¹ / ₈	130-B81	1965 & 1964	W/3 Spd. Auto. Trans.		446874-58	57 ¹ / ₈	130-B81
	W/Electro Cruise		446874-58	57 ¹ / ₈	130-B81		W/Electro Cruise		446874-58	57 ¹ / ₈	130-B81
GRAN SPORT, G.S. 455, G.S. 400						SPECIAL, SKYLARK, SPORTWAGON (1972-71)					
1970	G.S. 455 Console Man. Trans.		446946-70	707/16	130-B81	1973	W/Console Man. Trans.		446946-84	847/16	130-B114
1969	G.S. 400 Std. Trans.		446946-70	707/16	130-B81		W/Cruise - Upper		446946-40	407/16	130-B81
1966	All Gran Sport (exc. 3 Spd. Synchro)		446874-58	57 ¹ / ₈	130-B81		W/Cruise - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	Gran Sport 3 Spd. Synchro		446874-68	69 ¹ / ₈	130-B81		W/Auto. Trans. Std. Car		446946-70	707/16	130-B81
1965	Gran Sport Skylark		446874-73	69 ¹ / ₈	130-B81	1972	W/Cruise - Upper		446946-36	367/16	130-B81
LESABRE							W/Cruise - Lower & W/T.H.M. 350		446874-58	59 ⁵ / ₃₂	130-B81
1975	W/O Cruise & W/T.H.M.		446946-58	537/16	130-B81		W/O Cruise & Std. Car or W/3 Spd. Man. Trans.		446946-64	647/16	130-B81
	W/Cruise - Lower & W/T.H.M. 350-375		446874-58	55 ¹ / ₈	130-B81		W/Console Man. Trans.		446946-76	767/16	130-B81
	W/Cruise - Lower & W/T.H.M. 400		446874-53	51 ¹ / ₈	130-B81	1971	Spd. Cont. - Upper		446946-36	367/16	130-B81
1974	W/O Cruise & W/T.H.M.		446946-52	527/16	130-B81		Spd. Cont. - Lower		446874-58	57 ¹ / ₈	130-B81
	W/Cruise - Upper		446946-40	407/16	130-B81		Console Man. Trans.		446946-76	727/16	130-B81
	W/Cruise - Lower		446874-58	59 ⁵ / ₃₂	130-B81		Auto Turbo Hydra 350 Trans.		446946-64	607/16	130-B81
1973	W/Cruise - Upper		446946-40	407/16	130-B81	1970 (Special)	Spd. Cont. - Upper		446946-36	35 ³ / ₁₆	130-B81
	W/Cruise - Lower T.H.M. 350, 375, 400 Trans.		446874-58	59 ⁵ / ₃₂	130-B81		Spd. Cont. - Lower		446874-58	57 ¹ / ₈	130-B81
	W/O Cruise & W/T.H.M. 350, 375, 400 Trans.		446946-58	587/16	130-B81		Auto. Trans.		446946-58	577/16	130-B81
							Console - Man. Trans.		446946-70	707/16	130-B81

BUICK, CADILLAC, CHEVROLET

FLEXIBLE SHAFTS

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
BUICK					
SPECIAL, SKYLARK, SPORTWAGON (1972-71) (Cont'd)					
1969 (Special)					
	Spd. Cont. - Upper.....		446946-36	347/16	130-B81
	Spd. Cont. - Lower.....		446874-53	53 1/8	130-B81
	Auto. or 3 Spd. Man.....		446946-58	57 7/16	130-B81
1968 (Special)					
	W/Auto. or 3 Spd. Man.....		446874-58	58 1/8	130-B81
	W/Auto. (Lower Cruise Mstr.).....		446874-58	53 1/8	130-B81
1967	Auto. Trans.....		446874-58	58 1/8	130-B81
	3 Spd. Man.....		446874-73	71 1/8	130-B81
1966	All Skylark.....		446874-58	53 1/8	130-B81
1965 & 1964					
	W/3 Spd. Std. Trans.....		446874-53	51 1/8	130-B81
	W/2 Spd. Auto. Trans.....		446874-58	58 1/8	130-B81
	W/4 Spd. Std. Trans.....		446874-58	58 1/8	130-B81
	Gran Sport Skylark (1965).....		446874-73	69 1/8	130-B81
WILDCAT					
1970	Spd. Cont. - Upper.....		446946-40	397/16	130-B81
	Spd. Cont. - Lower.....		446874-68	66 1/8	130-B81
	W/O Spd. Cont.....		446946-76	73 7/16	130-B81
1969	Spd. Cont. - Upper.....		446946-31	27 11/16	130-B81
	Spd. Cont. - Lower.....		446874-48	49 1/8	130-B81
	Auto. Trans.....		446946-70	65 7/16	130-B81
1968	3Spd. Man. or 3 Spd. G.S.....		446874-73	71 1/8	130-B81
	Auto. (Lower Cruise Master).....		446874-48	48 1/8	130-B81
1966	3 Spd. Synchro.....		446874-73	71 1/8	130-B81
CADILLAC					
BROUGHAM (1972-1971), CALAIS, DEVILLE, FLEETWOOD					
1975	W/O Cruise.....		446946-70	66 7/16	130-B81
	W/Cruise - Lower.....		446874-48	47 1/8	130-B81
	W/Cruise & Whl. Lock - Lower.....		446874-26	27 1/8	130-B81
1974	W/O Cruise Control.....		446946-70	70 7/16	130-B81
	W/Cruise - Upper.....		446946-36	36 7/16	130-B81
	W/Cruise - Lower.....		446874-48	49 5/32	130-B81
	W/Cruise & Whl. Lock - Lower.....		446874-26	27 5/32	130-B81
1973	W/O Cruise Control.....		446946-70	70 7/16	130-B81
	W/Cruise - Upper.....		446946-36	36 7/16	130-B81
	W/Cruise - Lower.....		446874-48	49 5/32	130-B81
1972	W/Cruise - Lower.....		446874-48	49 5/32	130-B81
	W/Cruise - Upper.....		446946-36	36 7/16	130-B81
	W/O Cruise or Whl. Lock.....		446946-70	70 7/16	130-B81
	W/O Cruise and W/Whl. Lock - Upper.....		446946-52	52 7/16	130-B81
	W/Cruise & Whl. Lock - Upper.....		446874-26	27 5/32	130-B81
1971	Spd. Cont. - Upper.....		446946-40	40 7/16	130-B81
	Spd. Cont. - Lower.....		446874-48	45 1/8	130-B81
	W/O Spd. Cont.....		446946-70	68 7/16	130-B81
CADILLAC					
1970	All, (exc. Eldorado) Spd. Cont. - Upper.....		-	44 7/16	130-B81
	All, (exc. Eldorado) Spd. Cont. - Lower.....		446874-63	60 1/8	130-B81
	All, (exc. Eldorado) W/O Spd. Cont.....		446946-70	66 7/16	130-B81
1969	All, (exc. Eldorado) Spd. Cont. - Upper.....		-	44 7/16	130-B81
	All, (exc. Eldorado) Spd. Cont. - Lower.....		-	60 3/8	140 L.H
	All, (exc. Eldorado) W/O Spd. Cont.....		446946-64	64 7/16	130-B81
1966	All, W/O Cruise Cont.....		446874-68	65 1/8	130-B81
	All, Cruise Cont. to Speedo.....		446874-39	39 1/8	130-B81
1965	All Trans. to Speedo (exc. Mdl. 75).....		446874-68	65 1/4	130-B81
	Model 75.....		446874-63	59 1/4	130-B81
1964	All W/O Cruise Cont.....		446874-63	59 1/4	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
CADILLAC					
CADILLAC (Cont'd)					
1963 & 1962	All W/O Cruise Cont.....		446874-68	65 1/8	130-B81
1961	All.....		446874-68	65 1/8	130-B81
1960	All W/O Cruise Cont.....		446874-63	59 1/4	130-B81
	All.....		446874-63	59 3/32	130-B81
ELDORADO					
1975	W/O Cruise.....		446924-36	36 7/16	130-B81
	W/Cruise & Whl. Lock - Lower.....		446874-26	27 1/8	130-B81
1974	W/O Cruise Control.....		446946-36	36 7/16	130-B81
	W/Cruise - Upper.....		446946-36	36 7/16	130-B81
	W/Cruise & Whl. Lock - Lower.....		446874-26	27 5/32	130-B81
1973	W/Cruise - Lower.....		446874-26	27 5/32	130-B81
	W/Cruise - Upper.....		446946-36	36 7/16	130-B81
	W/O Cruise Control.....		446946-36	36 7/16	130-B81
1972	W/Cruise Control Upper & Std. Car W/O Cruise.....		446946-36	36 7/16	130-B81
	W/Cruise - Lower.....		446874-26	27 5/32	130-B81
1971	Spd. Cont. - Upper.....		446946-44	44 7/16	130-B81
	Spd. Cont. - Lower.....		446874-30	31 1/8	130-B81
	W/O Spd. Cont.....		446946-36	36 7/16	130-B81
1970 & 1969	Spd. Cont. - Upper.....		446946-44	43 7/16	130-B81
	Spd. Cont. - Lower.....		446874-39	37 1/8	130-B81
	W/O Spd. Cont.....		446946-36	36 7/16	130-B81
1968-1967	W/Cruise Cont. (Reg. to Speedo).....		-	35 1/8	-
	W/Cruise Cont. (Trans. to Reg.).....		-	16 1/8	-
	W/O Cruise Cont. (Trans. to Speedo).....		-	35 1/8	130-B81
60, 62, 63 SERIES					
1968 & 1967	W/Cruise Cont. (Reg. to Speedo).....		-	43 1/8	-
	W/Cruise Cont. (Reg. to Trans.).....		-	58 1/8	-
	W/O Cruise Cont.....		446874-68	65 1/8	130-B81
CHEVROLET					
CAMARO					
1975	Auto. & Man. Trans.....		446946-76	72 7/16	130-B81
	Auto. & Man. Trans. W/2 pc. Shaft - Upper.....		446946-44	43 7/16	130-B81
1974	Auto. and Man. Trans.....		446946-64	64 7/16	130-B81
	CBC Trans.....		446946-58	58 7/16	130-B81
	4 Spd. Muncie Trans.....		446946-76	76 7/16	130-B81
	3 Spd. Synchro Trans. - Upper.....		446946-40	40 7/16	130-B81
1973	W/Synchro or P.G. Trans.....		446946-64	64 7/16	130-B81
	W/3 Spd. Auto. Trans.....		446946-58	58 7/16	130-B81
	W/Muncie Trans.....		446946-76	76 7/16	130-B81
	W/Sag. Trans. - Upper.....		446946-40	40 7/16	130-B81
1972	W/P.G. Trans.....		446946-64	64 7/16	130-B81
	W/3 & 4 Spd. (Base Car) - Upper.....		446946-40	40 7/16	130-B81
	W/Hydra. Trans.....		446946-76	76 7/16	130-B81
	W/CBC Auto. Trans.....		446946-58	58 7/16	130-B81
1971	Powerglide or 3 Spd. Synchro Std.....		446946-64	60 7/16	130-B81
	Turbo Hydra Auto.....		446946-76	76 7/16	130-B81
	CBC Auto.....		446946-58	56 7/16	130-B81
	3 & 4 Spd. Sag. Man. - Upper.....		446946-40	40 7/16	130-B81
	3 & 4 Spd. Sag. Man. - Lower.....		-	18 11/16	130-B81

FLEXIBLE SHAFTS

CHEVROLET

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
CHEVROLET					
CAMARO (Cont'd)					
1970					
	Spd. Cont. - Upper; 3 & 4 Spd. Reg.		446946-40	377 ¹ / ₁₆	130-B81
	W/Lower Shaft; 3 & 4 Spd. Sag. Trans.		-	18 ¹¹ / ₁₆	130-B81
	W/Upper Shaft; 3 & 4 Spd. Sag. Trans.		446946-40	397 ¹ / ₁₆	130-B81
	3 Spd. Man.		-	24 ¹¹ / ₁₆	130-B81
	3 & 4 Spd. Sag. Trans.		446946-44	437 ¹ / ₁₆	130-B81
	Combo, Buick, Chev. Trans.		446946-58	547 ¹ / ₁₆	130-B81
	4 Spd. Muncie		446946-58	557 ¹ / ₁₆	130-B81
	4 Spd. Man.		446946-58	587 ¹ / ₁₆	130-B81
	Hydra Trans.		446946-76	747 ¹ / ₁₆	130-B81
1969					
	All, V8 Std. Auto. Trans. & Powerglide		446946-64	637 ¹ / ₁₆	130-B81
	All, exc. Sag. 3 & 4 Spd. & Convert.		446946-64	617 ¹ / ₁₆	130-B81
	All, W/Sag. 3 & 4 Spd. - Upper		446946-40	377 ¹ / ₁₆	130-B81
	All, W/Sag. 3 & 4 Spd. - Lower		-	24 ¹¹ / ₁₆	130-B81
	Convertible, exc. Sag. 3 & 4 Spd.		446946-70	677 ¹ / ₁₆	130-B81
	Convertible, W/Sag. 3 & 4 Spd. - Upper		446946-44	437 ¹ / ₁₆	130-B81
	Convertible, W/Muncie 4 Spd.		446946-58	557 ¹ / ₁₆	130-B81
1968					
	All, (exc. Sag. 3 & 4 Spd. & Convert.)		446874-73	71 ¹ / ₈	130-B81
	W/Sag. 3 & 4 Spd. - Lower Shaft		-	25 ¹ / ₈	-
	W/Sag. 3 & 4 Spd. - Upper Shaft		446874-39	38 ¹ / ₈	130-B81
	Convertibles (exc. Sag. 3 & 4 Spd.)		446874-68	68 ¹ / ₈	130-B81
	Convertibles W/Sag. 3 & 4 Spd. - Upper		446874-43	42 ¹ / ₈	130-B81
	Convertibles W/Muncie 4 Spd.		446874-58	56 ¹ / ₈	130-B81
1967 3 & 4 Spd. Trans. - Upper Shaft					
			446874-39	38 ¹ / ₈	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
CHEVROLET					
CHEVELLE, LAGUNA, MALIBU					
1974					
	Std. 4 Spd. Trans.		446946-64	647 ¹ / ₁₆	130-B81
	4 Spd. Muncie Trans.		446946-76	767 ¹ / ₁₆	130-B81
	W/Cruise - Upper		446946-84	847 ¹ / ₁₆	130-B114
	W/Cruise - Lower		446874-79	80 ⁵ / ₃₂	130-B81
	Taxi - Lower		446874-53	54 ⁵ / ₃₂	130-B81
1973					
	W/O Cruise: All exc. 4 Spd.		446946-64	647 ¹ / ₁₆	130-B81
	4 Spd. Muncie		446946-76	767 ¹ / ₁₆	130-B81
	W/Cruise - Upper		446946-84	847 ¹ / ₁₆	130-B81
	W/Access. Cruise - Upper		446946-76	767 ¹ / ₁₆	130-B81
	W/Cruise Cont. - Lower		446874-79	80 ⁵ / ₃₂	130-B81
	W/Access. Cruise - Lower		446874-73	74 ⁵ / ₃₂	130-B81
	Taxi-Meter-Lower		446874-53	54 ⁵ / ₃₂	130-B81
1972					
	W/Cruise - Upper		446946-40	407 ¹ / ₁₆	130-B81
	W/Cruise - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	WO/Cruise, exc. 4 Spd.		446946-64	647 ¹ / ₁₆	130-B81
	W/4 Spd.		446946-70	707 ¹ / ₁₆	130-B81
	W/Cruise & W/P.G. - Upper		446946-40	407 ¹ / ₁₆	130-B81
1971					
	Spd. Cont. - Lower		446874-53	53 ¹ / ₈	130-B81
	Spd. Cont. - Upper		446946-44	447 ¹ / ₁₆	130-B81
	Auto, exc. Spd. Cont.; or 3 Spd. Man. Synchro		446946-64	607 ¹ / ₁₆	130-B81
	4 Spd. Muncie		446946-76	727 ¹ / ₁₆	130-B81
1970 All Auto. Trans.					
			446946-58	587 ¹ / ₁₆	130-B81
	4 Spd. Muncie		446946-84	807 ¹ / ₁₆	130-B81
1969 Spd. Cont. - Upper					
			446946-31	317 ¹ / ₁₆	130-B81
	Spd. Cont. - Lower		446874-58	56 ¹ / ₈	130-B81
	All exc. Muncie 4 Spd.		446946-58	587 ¹ / ₁₆	130-B81
	Muncie 4 Spd.		446946-70	707 ¹ / ₁₆	130-B81
1968 All, exc. Muncie 4 Spd.					
			446874-63	59 ¹ / ₈	130-B81
	Muncie 4 Spd.		446874-73	71 ¹ / ₈	130-B81
1967 All, exc. 4 Spd.					
			446874-58	56 ¹ / ₈	130-B81
	4 Spd.		446874-63	62 ¹ / ₈	130-B81
1966 W/3 Spd. H.D., 3 Spd. Auto. Powerglide & O.D. Trans.					
			446874-58	56 ¹ / ₈	130-B81
	W/4 Spd.		446874-63	62 ¹ / ₈	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
CHEVROLET					
CHEVELLE, LAGUNA, MALIBU (Cont'd)					
1965 W/4 Spd. Synchro.					
			446874-68	67 ¹ / ₈	130-B81
	Upper Cruise Cont.		446874-39	39 ¹ / ₈	130-B81
1965 & 1964 W/3 Spd. Synchro.					
			446874-58	53 ¹ / ₈	130-B81
	W/Auto. Trans.		446874-58	55 ¹ / ₈	130-B81

CHEVROLET (Regular Car)					
BEL AIR, IMPALA, CAPRICE, BISCAYNE					
1975					
	W/O Cruise		446946-58	557 ¹ / ₁₆	130-B81
	W/Cruise - Upper		446946-40	397 ¹ / ₁₆	130-B81
	W/Cruise - Lower		446874-53	527 ¹ / ₈	130-B81
1974					
	WO/Cruise		446946-58	587 ¹ / ₁₆	130-B81
	W/Cruise - Upper		446946-40	407 ¹ / ₁₆	130-B81
	W/Cruise - Lower		446874-58	59 ⁵ / ₃₂	130-B81
1973					
	W/Cruise - Upper		446946-40	407 ¹ / ₁₆	130-B81
	W/Cruise - Lower & CBC & Hydra. Trans.		446874-53	54 ⁵ / ₃₂	130-B81
	W/CBC Auto. Trans. & WO/Cruise		446946-58	587 ¹ / ₁₆	130-B81
1972					
	W/Cruise - Lower		446874-53	54 ⁵ / ₃₂	130-B81
	W/Cruise - Upper		446946-40	407 ¹ / ₁₆	130-B81
	WO/Cruise & W/Synchro & P.G. Trans.		446946-58	587 ¹ / ₁₆	130-B81
	CBC & Hydra. Trans.		446946-58	587 ¹ / ₁₆	130-B81

BISCAYNE, BEL AIR, IMPALA, CAPRICE					
1971					
	CHC Turbo Hydra Auto. & Spd. Cont. - Upper		446946-58	567 ¹ / ₁₆	130-B81
	CBC Turbo Hydra or Powerglide & Spd. Cont. - Lower		446874-53	53 ¹ / ₈	130-B81
	Powerglide W/O Spd. Cont., or 3 Spd. Man.		446946-52	527 ¹ / ₁₆	130-B81
	Powerglide & Spd. Cont. - Upper		446946-40	407 ¹ / ₁₆	130-B81

CHEVROLET (Regular Car)					
1970 Spd. Cont. - Upper					
			446946-31	297 ¹ / ₁₆	130-B81
	Spd. Cont. - Lower		446874-58	58 ¹ / ₈	130-B81
	4 Spd. Muncie		446946-84	807 ¹ / ₁₆	130-B81
	All, exc. Spd. Cont.		446946-64	617 ¹ / ₁₆	130-B81
	Taxi Meter - Lower		446874-58	55 ¹ / ₈	130-B81
1969					
	All, exc. 4 Spd. Muncie & Spd. Cont.		446946-64	617 ¹ / ₁₆	130-B81
	Muncie 4 Spd.		446946-70	707 ¹ / ₁₆	130-B81
	Muncie 4 Spd.		446946-84	807 ¹ / ₁₆	130-B81
	Spd. Cont. - Upper		446946-31	297 ¹ / ₁₆	130-B81
	Spd. Cont. - Lower		446874-58	58 ¹ / ₈	130-B81
1968 All, exc. Muncie 4 Spd.					
			446874-63	62 ¹ / ₈	130-B81
	Muncie 4 Spd.		446874-73	71 ¹ / ₈	130-B81
1967 All, exc. 4 Spd.					
			446874-63	62 ¹ / ₈	130-B81
1966 All, exc. 4 Spd.					
			446874-63	62 ¹ / ₈	130-B81
	4 Spd.		446874-73	71 ¹ / ₈	130-B81
1965 All, exc. 4 Spd. Synchro.					
			446874-63	62 ¹ / ₈	130-B81
	4 Spd. Synchro		446874-73	70 ¹ / ₈	130-B81
1964 Std. Trans.					
			446874-53	51 ¹ / ₈	130-B81

CHEVY II					
1970					
	3 Spd. Man. Trans.		-	24 ¹¹ / ₁₆	130-B81
	3 & 4 Spd. Trans. - Upper Reg.		446946-40	377 ¹ / ₁₆	130-B81
	3 & 4 Spd. Saginaw		446946-44	437 ¹ / ₁₆	130-B81
	4 Spd. Muncie		446946-58	557 ¹ / ₁₆	130-B81
	All, Auto. & Man.		446946-64	617 ¹ / ₁₆	130-B81
	Convertibles, exc. Sag. 3 & 4 Spd.		446946-70	677 ¹ / ₁₆	130-B81
1969					
	All, V8 Std. Auto. Trans. & Powerglide		446946-64	637 ¹ / ₁₆	130-B81
	All, exc. Sag. 3 & 4 Spd. & Convert.		446946-64	617 ¹ / ₁₆	130-B81
	All, W/Sag. 3 & 4 Spd. - Upper		446946-40	377 ¹ / ₁₆	130-B81
	All, W/Sag. 3 & 4 Spd. - Lower		-	24 ¹¹ / ₁₆	130-B81
	Convertibles, exc. Sag. 3 & 4 Spd.		446946-70	677 ¹ / ₁₆	130-B81
	Convertibles, W/Sag. 3 & 4 Spd. - Upper		446946-44	437 ¹ / ₁₆	130-B81
	Convertibles, W/Muncie 4 Spd.		446946-58	557 ¹ / ₁₆	130-B81

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)

CHEVROLET

CHEVY II (Cont'd)

1968	All, (exc. Sag. 3 & 4 Spd. & Convert.)	446874-73	71 ¹ / ₈	130-B81
	W/Sag. 3 & 4 Spd. - Lower Shaft		25 ¹ / ₈	
	W/Sag. 3 & 4 Spd. - Upper Shaft	446874-39	38 ¹ / ₈	130-B81
	Convertibles, (exc. Sag. 3 & 4 Spd. & Muncie 4 Spd.)	446874-68	68 ¹ / ₈	130-B81
	Convert. W/Sag. 3 & 4 Spd. - Upper	446874-73	71 ¹ / ₈	130-B81
	Convert. W/Muncie 4 Spd.	446874-58	56 ¹ / ₈	130-B81
1967	All	446874-58	56 ¹ / ₈	130-B81
1966	4 Cyl. All	446874-58	56 ¹ / ₈	130-B81
1965	4 Cyl.	446874-68	63 ¹ / ₈	130-B81
1965 & 1964	W/3 Spd. Trans.	446874-58	58 ⁵ / ₈	130-B81

CHEVY NOVA

1975	W/Auto. Trans.	446946-76	72 ⁷ / ₁₆	130-B81
	W/2 pc. Shaft - Upper	446946-44	43 ⁷ / ₁₆	130-B81
1974	W/Auto. Trans.	446946-64	64 ⁷ / ₁₆	130-B81
	3 Spd. Synch. - Upper	446946-44	44 ⁷ / ₁₆	130-B81
1973	W/Auto. Trans.	446946-64	64 ⁷ / ₁₆	130-B81
	W/4 Spd. Muncie	446946-58	58 ⁷ / ₁₆	130-B81
	W/Sag. 3 & 4 Spd. Conv. - Upper	446946-44	44 ⁷ / ₁₆	130-B81
	W/Sag. 3 & 4 Spd. Upper	446946-40	40 ⁷ / ₁₆	130-B81
1972	W/Auto. Trans.	446946-64	64 ⁷ / ₁₆	130-B81
	W/Sag. 3 & 4 Spd. - Upper	446946-40	40 ⁷ / ₁₆	130-B81
	W/Sag. 3 & 4 Spd. Conv. - Upper	446946-44	44 ⁷ / ₁₆	130-B81
	W/4 Spd. Muncie	446946-58	58 ⁷ / ₁₆	130-B81
1971	Auto. Trans.	446946-64	64 ⁷ / ₁₆	130-B81
	3 Spd. Synchro Man. - Lower		24 ¹¹ / ₁₆	130-B81
	4 Spd. Muncie	446946-58	56 ⁷ / ₁₆	130-B81
	3 & 4 Spd. Sag. Man. - Upper, exc.			
	Convertibles	446946-40	40 ⁷ / ₁₆	130-B81
	Convert. W/Sag. 3 & 4 Spd. - Upper	446946-44	44 ⁷ / ₁₆	130-B81
	Convert., exc. Sag. 3 & 4 Spd. - Upper	446946-70	68 ⁷ / ₁₆	130-B81
1970 Nova				
	3 Spd. Man. Trans.		24 ¹¹ / ₁₆	130-B81
	3 & 4 Spd. Trans. - Upper Reg.	446946-40	37 ⁷ / ₁₆	130-B81
	3 & 4 Spd. Saginaw	446946-44	43 ⁷ / ₁₆	130-B81
	4 Spd. Muncie	446946-58	55 ⁷ / ₁₆	130-B81
	All, Auto. and Man.	446946-64	61 ⁷ / ₁₆	130-B81
	Convertibles, exc. Sag. 3 & 4 Spd.	446946-70	67 ⁷ / ₁₆	130-B81

CORVAIR

1968	All	-	59 ³⁹ / ₆₄	
1964-1962	All	-	144 ⁵ / ₈	130-B150
1961	All	-	144 ⁴¹ / ₆₄	130-B150
1960	All	-	139 ¹ / ₈	130-B150

CORVETTE

1975	4 Spd. Muncie Trans.	446946-76	72 ⁷ / ₁₆	130-B81
	W/2 pc. Shaft - Upper	446946-40	38 ⁷ / ₁₆	130-B81
1974	W/4 Spd. Muncie	446946-76	76 ⁷ / ₁₆	130-B81
	Synchro Trans. - Upper	446946-40	40 ⁷ / ₁₆	130-B81
	W/Mech. Tach.	446946-21	21 ⁷ / ₁₆	130-B81
1973	W/Sag. 3 & 4 Spd. - Upper	446946-40	40 ⁷ / ₁₆	130-B81
	W/Muncie 4 Spd.	446946-76	76 ⁷ / ₁₆	130-B81
	W/Mech. Tach.	446946-21	21 ⁷ / ₁₆	130-B81
1972	W/P.G., CBC, or Sag. 3 & 4 - Upper	446946-40	40 ⁷ / ₁₆	130-B81
	W/4 Spd. Muncie (Base Car)	446946-76	76 ⁷ / ₁₆	130-B81
	W/Mech. Tach.	446946-21	21 ⁷ / ₁₆	130-B81
1971	Turbo Hydra. Auto.	446946-76	72 ⁷ / ₁₆	130-B81
	3 Spd. Synchro Man. - Lower		24 ¹¹ / ₁₆	130-B81
	4 Spd. Muncie	446946-76	72 ⁷ / ₁₆	130-B81
	3 & 4 Spd. Sag. - Upper	446946-40	40 ⁷ / ₁₆	130-B81
1970	3 Spd. Man. Trans.		24 ¹¹ / ₁₆	130-B81
	4 Spd. Muncie		72 ⁷ / ₁₆	130-B81
	3 & 4 Spd. Trans. - Upper Reg.	446946-40	37 ⁷ / ₁₆	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)

CHEVROLET

CORVETTE (Cont'd)

1969	Spd. Cont. - Upper	446946-40	37 ⁷ / ₁₆	130-B81
	Spd. Cont. - Lower		24 ¹¹ / ₁₆	130-B81
	4 Spd. Trans.		72 ⁷ / ₁₆	130-B81
	4 Spd. Muncie	446946-70	67 ⁷ / ₁₆	130-B81
	Tachometer Drive	446946-21	20 ⁷ / ₁₆	130-B81
1968	W/Upper Cruise Cont.		25 ¹ / ₈	
	W/Lower Cruise Cont.	446874-39	38 ¹ / ₈	130-B81
1967	Auto. Trans.	446874-58	56 ¹ / ₈	130-B81
	4 Spd.	446874-68	67 ¹ / ₈	130-B81
1966	4 Spd.	446874-68	67 ¹ / ₈	130-B81
	Auto. Trans.	446874-58	56 ¹ / ₈	130-B81
1965	Auto. Trans.	446874-58	56 ¹ / ₈	130-B81
	4 Spd. Synchro	446874-68	67 ¹ / ₈	130-B81
	3 Spd. Synchro	446874-53	51 ¹ / ₈	130-B81
1964	All	446874-58	56 ¹ / ₈	130-B81
1963 & 1962	Speedo 1962	446874-68	66 ¹ / ₈	130-B81
	Speedo 1963 W/4 Spd.	446874-58	56 ¹ / ₈	130-B81
	All, exc. 880 Series & 4 Spd.	446874-53	51 ¹ / ₈	130-B81
1961	W/Powerglide Dr., 4 Spd. & O.D.	446874-63	61 ¹ / ₈	130-B81
1960	Overdrive	446874-63	61 ¹ / ₈	130-B81

EL CAMINO, LAGUNA, MALIBU

1975	W/O Cruise	446946-64	63 ⁷ / ₁₆	130-B81
	W/Cruise - Lower	446874-73	77 ¹ / ₈	130-B81

MONTE CARLO

1975	W/O Cruise	446946-64	63 ⁷ / ₁₆	130-B81
	W/Cruise - Lower	446874-79	81 ¹ / ₈	130-B81
	Taxi - Lower	446874-53	51 ¹ / ₈	130-B81
1974	Std. 4 Spd. Trans.	446946-64	64 ⁷ / ₁₆	130-B81
	4 Spd. Muncie Trans.	446946-76	76 ⁷ / ₁₆	130-B81
	W/Cruise - Upper	446946-84	84 ⁷ / ₁₆	130-B114
	W/Cruise - Lower	446874-79	80 ⁵ / ₃₂	130-B81
	Taxi - Lower	446874-53	54 ⁵ / ₃₂	130-B81
1973	W/O Cruise: All exc. 4 spd.	446946-64	64 ⁷ / ₁₆	130-B81
	4 Spd. Muncie	446946-76	76 ⁷ / ₁₆	130-B81
	W/Cruise - Upper	446946-84	84 ⁷ / ₁₆	130-B81
	W/Access Cruise - Upper	446946-76	76 ⁷ / ₁₆	130-B81
	W/Cruise Cont. - Lower	446874-79	80 ⁵ / ₃₂	130-B81
	W/Access Cruise - Lower	446874-73	74 ⁵ / ₃₂	130-B81
	Taxi-Meter-Lower	446874-53	54 ⁵ / ₃₂	130-B81
1972	W/Cruise - Upper	446946-40	40 ⁷ / ₁₆	130-B81
	W/Cruise - Lower	446874-58	59 ⁵ / ₃₂	130-B81
	W/O Cruise, exc. 4 Spd.	446946-64	64 ⁷ / ₁₆	130-B81
	W/4 Spd.	446946-70	70 ⁷ / ₁₆	130-B81
	W/Cruise & W/P.G. - Upper	446946-40	40 ⁷ / ₁₆	130-B81

MONZA 2 + 2

1975	All W/2 pc. Shaft Limited Prod. - Upper	446946-36	36 ⁷ / ₁₆	130-B81
	All W/1 pc. Shaft	446946-64	62 ⁷ / ₁₆	130-B81

VEGA

1975	All exc. V-8 Eng.	446946-64	60 ⁷ / ₁₆	130-B81
	V-8 Eng.	446946-64	62 ⁷ / ₁₆	130-B81
1974, 1973	All	446946-64	64 ⁷ / ₁₆	130-B81
1972	W/P.G. Trans.	446946-64	64 ⁷ / ₁₆	130-B81
	W/3 Spd. Man.	446946-52	52 ⁷ / ₁₆	130-B81
1971	3 & 4 Spd. Opel Trans.	446946-58	53 ⁷ / ₁₆	130-B81
	Powerglide Trans.	446946-64	60 ⁷ / ₁₆	130-B81

G VAN

1975	W/Cruise - Upper	446946-76	76 ⁷ / ₁₆	130-B81
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FLEXIBLE SHAFTS

CHRYSLER, DODGE, FORD

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
CHRYSLER					
CHRYSLER & IMPERIAL					
1974-69					
	W/Auto Trans. & WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
	W/Spd. Cont. - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	W/Spd. Cont. - Upper		446957-34	34 ⁹ / ₃₂	130-B81
1968	Speedometer Cable		446772-68	68 ²¹ / ₃₂	130-B81
1967	All W/O Auto. Pilot			69 ³ / ₁₆	130-B81
	W/Auto. Pilot - Upper			43 ³ / ₁₆	130-B81
	W/Auto. Pilot - Lower			50 ³ / ₁₆	.150 L.H.
1966	All		446874-68	64 ¹⁹ / ₆₄	130-B81
1965	Chry. W/O Auto. Pilot		446873-67	66 ²¹ / ₃₂	130-B81
	Chry. W/Auto. Pilot - Upper			30 ¹ / ₃₂	
	Chry. W/Auto. Pilot - Lower			55 ⁵⁵ / ₆₄	
	Imp. W/O Auto. Pilot		446873-67	64 ⁵³ / ₆₄	130-B81
	Imp. W/Auto. Pilot - Upper			30 ¹ / ₃₂	130-B81
	Imp. W/Auto. Pilot - Lower			49 ⁵⁵ / ₆₄	
1964	Chry.		446873-67	62	130-B81
	Imp.			62	130-B81
	Chry. & Imp. (Auto. Pilot - Upper)			29	130-B81

DODGE					
CHALLENGER					
1974, 1973, 1972	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
1971 & 1970	All W/O Spd. Cont.		446772-68	63 ¹⁹ / ₃₂	130-B81
	W/Spd. Cont. - Upper		446938-37	36 ⁵ / ₁₆	130-B81
	W/Spd. Cont. - Lower		446939-54	55 ³ / ₃₂	130-B81

CORONET - CHARGER					
1974	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
1973, 1972	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
	All W/Spd. Cont. - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	All W/Spd. Cont. - Upper		446957-36	36 ⁹ / ₃₂	130-B81
1971 & 1970	All W/O Spd. Cont.		446772-68	63 ¹⁹ / ₃₂	130-B81
	W/Spd. Cont. - Upper		446938-37	36 ⁵ / ₁₆	130-B81
	W/Spd. Cont. - Lower		446939-54	55 ³ / ₃₂	130-B81
1969 (CORONET)	All W/O Spd. Cont.		446772-68	63 ¹⁹ / ₃₂	130-B81
	W/Spd. Cont. - Lower		446874-58	55 ³ / ₁₆	130-B81
	W/Spd. Cont. - Upper		446938-37	36 ⁵ / ₁₆	130-B81
1968	All Speedometer Cable		446772-68	60 ²¹ / ₃₂	130-B81
1967	All		446874-63	61 ³ / ₁₆	130-B81
1965 (CORONET)	All		446880-75	70 ²¹ / ₃₂	130-B81

DART					
1974	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
1973	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
	All W/Spd. Cont. - Upper		446957-36	36 ⁹ / ₃₂	130-B81
	All W/Spd. Cont. - Lower		446874-58	59 ⁹ / ₃₂	130-B81
1972	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
1971, 1970 & 1969	All W/O Spd. Cont.		446772-68	63 ¹⁹ / ₃₂	130-B81
1968	Speedometer Cable		446772-68	60 ²¹ / ₃₂	130-B81
1967	Speedometer Cable		446874-63	61 ³ / ₁₆	130-B81
1966	All		446874-58	57 ¹⁹ / ₆₄	130-B81
1965	All		446873-61	58 ²¹ / ₆₄	130-B81
1964	All		446873-61	56	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
DODGE					
DODGE (Regular Car)					
1971	All, W/O Spd. Cont.		446772-68	63 ¹⁹ / ₃₂	130-B81
	W/Spd. Cont. - Upper		446938-37	36 ⁵ / ₁₆	130-B81
	W/Spd. Cont. - Lower		446939-54	55 ³ / ₃₂	130-B81
1970 & 1969	All, W/O Spd. Cont.		446772-68	68 ²¹ / ₃₂	130-B81
	W/Spd. Cont. - Upper		446938-37	37 ⁵ / ₁₆	130-B81
	W/Spd. Cont. - Lower		446874-58	55 ³ / ₁₆	130-B81
1967	All, exc. Polara		446874-63	61 ³ / ₁₆	130-B81
1966	All, Exc. Dart		446874-68	64 ¹⁹ / ₆₄	130-B81
1964	All, exc. 800 & Dart		446874-68	68	130-B81

MONACO					
1974, 1973, 1972	W/Auto, WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
	W/Spd. Cont. - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	W/Spd. Cont. - Upper		446957-36	36 ⁹ / ₃₂	130-B81

POLARA					
1974, 1973, 1972	W/Auto, WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
	W/Spd. Cont. - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	W/Spd. Cont. - Upper		446957-36	36 ⁹ / ₃₂	130-B81
1968	Spd. Cable		446772-68	63 ²¹ / ₃₂	130-B81
1967	W/O Auto. Pilot		446874-68	64 ³ / ₁₆	130-B81
	W/Auto. Pilot - Upper		446874-39	38 ³ / ₁₆	130-B81
	W/Auto. Pilot - Lower			60 ³ / ₁₆	.150 L.H.
1965	W/O Auto. Pilot		446873-67	66 ²¹ / ₃₂	130-B81
	W/Auto. Pilot - Upper			30 ¹ / ₃₂	130-B81
	W/Auto. Pilot - Lower		446880-55	55 ²¹ / ₃₂	

FORD					
CUSTOM, LTD, 1970-69 XL					
1971	Auto. Trans. W/O Spd. Cont. or Mod.		446940-51	50 ²⁷ / ₃₂	130-B81
	H.D. Auto. Trans., exc. 429 W/O Spd. Cont. or Mod.		446940-56	53 ²⁷ / ₃₂	130-B81
	240, 302, 351 W/Spd. Cont. or Mod., Lower		446943-31	29 ¹¹ / ₁₆	130-B81
	390, 429; H.D. Auto. W/400, W/Spd. Cont. or Mod. - Lower		446943-31	33 ¹¹ / ₁₆	130-B81
	240, 302, 390 W/Mod., 400, 429 W/Spd. Cont. - Upper		446945-25	24 ²⁷ / ₃₂	130-B81
	302, 390 W/Spd. Cont. - Upper		446945-25	22 ¹³ / ₃₂	130-B81
1970	All, exc. H.D. Auto., W/Modulator or Spd. Cont. - Lower		446943-31	29 ¹¹ / ₁₆	130-B81
	H.D. Auto. W/Mod. or Spd. Cont. - Lower		446943-31	33 ¹¹ / ₁₆	130-B81
	All, W/Mod. or Spd. Cont. - Upper		446945-28	27 ²⁷ / ₃₂	130-B81
	3 Spd. Man. W/O Mod. or Spd. Cont.		446940-51	48 ²⁷ / ₃₂	130-B81
	H.D. Auto., exc. 351-2V, W/O Mod. or Spd. Cont.		446942-56	58 ¹ / ₃₂	130-B81
	351-2V W/Auto. Trans.		446940-51	50 ²⁷ / ₃₂	130-B81
1969	Auto. Trans., 3 Spd. Man., exc. Spd. Cont.		446940-51	50 ²⁷ / ₃₂	130-B81
	H.D. Auto. Trans., 4 Spd. Man., exc. Spd. Cont.		446940-56	57 ²⁷ / ₃₂	130-B81
	All, W/Spd. Cont. - Upper		446945-16	15 ¹³ / ₃₂	130-B81
	All W/Spd. Cont. - Lower, exc. H.D. Auto. Trans.		446943-31	32 ¹¹ / ₁₆	130-B81
	All, W/Spd. Cont. - Lower, W/H.D. Auto. Trans.		446943-35	36 ¹¹ / ₁₆	130-B81

FAIRLANE					
1970	Auto. Trans. W/Mod. - Lower		446944-39	39 ¹³ / ₃₂	130-B81
	3 Spd. Man., W/Mod. - Lower		446943-35	37 ¹¹ / ₁₆	130-B81
	4 Spd. Man., W/Mod. - Lower		446943-40	41 ¹¹ / ₁₆	130-B81
	All, W/Mod., exc. 3 & 4 Spd. - Upper		446945-28	27 ²⁷ / ₃₂	130-B81
	3 Spd. Man., W/O Mod. or Spd. Cont.		446940-56	53 ²⁷ / ₃₂	130-B81
	Auto. Trans. W/O Mod. or Spd. Cont.		446942-56	58 ¹ / ₃₂	130-B81
	W/Cruise - Lower		446874-53	53 ¹ / ₈	130-B81

FORD

FLEXIBLE SHAFTS

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO (B)	PART NO. (C)

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO (B)	PART NO. (C)

FORD

FAIRLANE (Cont'd)

1970 (Cont'd)					
H.D. Auto., exc. 3.91 or 4.30:1 Rr., W/O Mod. or Spd. Cont.	446942-63	65 ¹ / ₃₂	130-B81		
H.D. Auto., W/3.91 or 4.30:1 Rr., W/O Mod. or Spd. Cont.	446941-61	61 ¹ / ₄	130-B81		
4 Spd. Man., exc. 3.91 or 4.80:Rr., W/O Mod. or Spd. Cont.	446940-101	102 ²⁷ / ₃₂	130-B114		
4 Spd. Man., W/3.91 or 4.30:1 Rr., W/O Mod. or Spd. Cont.	446941-99	99 ¹ / ₄	130-B114		
1969					
Auto. Trs.; 3 Spd. Man. W/390; 4 Spd. Man & H.D. Auto. Trans., exc. 3.91 or 4.30:1 Rr.; 4 Spd. Man. W/ 428 from 1-31-69	446940-62	63 ²⁷ / ₃₂	130-B81		
3 Spd. Man., exc. 390	446940-56	53 ²⁷ / ₃₂	130-B81		
H.D. Auto. Trans. W/3.91 or 4.30:1 Rr.	446941-61	60 ¹ / ₄	130-B81		
4 Spd. Man. W/3.91 or 4.30:1 Rr., before 1-31-69; 4 Spd. Man. exc. 428 W/3.91 or 4.30:1 Rr. from 1-31-69	446941-47	47 ¹ / ₄	130-B81		
1968					
289, 320 W/4 Spd. & 390 W/3 Spd.	446872-62	64 ⁴³ / ₆₄	130-B81		
390, 427 W/Auto. Trans.	446872-62	64 ⁴³ / ₆₄	130-B81		
200, 289, 302 W/Auto. Trans. & O.D.	446872-62	62 ⁴³ / ₆₄	130-B81		
200, 289, 302 W/3 Spd.	446872-56	54 ⁴³ / ₆₄	130-B81		
1967					
6 & 8 Std. (exc. 390)	-	52 ⁵¹ / ₆₄	130-B81		
6 & 8 Auto. (exc. XPL & O.D.)	-	55 ⁵¹ / ₆₄	130-B81		
8, 289 & 390, 3 & 4 Spd. Std.	-	62 ⁵¹ / ₆₄	130-B81		
390 Auto. XPL	-	60 ⁵¹ / ₆₄	130-B81		
1966					
6 Cyl. Std.	446872-51	52 ¹ / ₃₂	130-B81		
6 & 8 Cyl. Auto. W/O.D.	446872-56	55 ¹ / ₃₂	130-B81		
289 V-8, Std.	446872-51	52 ¹ / ₃₂	130-B81		
390 V-8, XPL & Auto.	446872-62	61 ¹ / ₃₂	130-B81		
390 V-8, 3&4 Spd. Std.	446872-62	58 ¹ / ₃₂	130-B81		
1965					
6 Cyl. Std.	446872-51	53 ²⁷ / ₆₄	130-B81		
8 Cyl. Std.	446872-62	57 ⁵⁹ / ₆₄	130-B81		
Auto Trans.	446872-66	64 ⁵⁹ / ₆₄	130-B81		
1964					
6 Cyl. Std.	446872-51	50 ⁵ / ₈	130-B81		
8 Cyl. Std.	446872-56	55 ¹ / ₈	130-B81		
Auto. Trans.	446872-62	62 ¹ / ₈	130-B81		

FALCON

1970					
3 Spd. Std.	446940-56	53 ²⁷ / ₃₂	130-B81		
Light Duty Auto. Trans.	446942-63	65 ¹ / ₁₆	130-B81		
Light Duty Auto. Trans. W/302, W/Mod. Lower	446944-47	49 ¹³ / ₃₂	130-B81		
Light Duty Auto. Trans. W/302, W/Mod. Upper	446945-28	26 ²⁷ / ₃₂	130-B81		
1969					
3 Spd. Man.	446940-56	53 ²⁷ / ₃₂	130-B81		
Light Duty Auto. Trans.	446940-62	63 ²⁷ / ₃₂	130-B81		
1968					
170, 200, 289, 302 W/3 Spd.	446872-56	54 ⁴³ / ₆₄	130-B81		
170, 200, 289, 302 W/Auto.	446872-62	62 ⁴³ / ₆₄	130-B81		
289, 302 W/4 Spd.	446872-62	64 ⁴³ / ₆₄	130-B81		
1967					
6 & 8 Std.	-	57 ³⁵ / ₆₄	130-B81		
6 & 8 Auto.	-	60 ⁵¹ / ₆₄	130-B81		
289 W/4 Spd.	446872-72	72 ⁵¹ / ₆₄	130-B81		
1966					
Std. Trans. (6, 8 Cyl.)	446872-62	57 ⁵¹ / ₆₄	130-B81		
Auto. Trans. (6, 8 Cyl.)	446872-62	60 ¹ / ₃₂	130-B81		
1965					
Std. Trans. 6, 8 Cyl.	446872-51	53 ⁵¹ / ₆₄	130-B81		
4 Spd. Trans. (8 Cyl.)	446872-72	74 ³⁵ / ₆₄	130-B81		
Auto. Trans.	446872-62	58 ⁵¹ / ₆₄	130-B81		
1964 & 1963					
Std.	446872-56	54 ³ / ₄	130-B81		
Auto.	446872-62	59 ⁵¹ / ₆₄	130-B81		

FORD (Regular Car)

1968 Auto Trans., XPL	446872-56	54 ⁴³ / ₆₄	130-B81		
3 Spd. Std. Trans.	446872-51	50 ⁴³ / ₆₄	130-B81		
Auto. Trans., XP, FMX, MX W/O.D.	446872-51	52 ⁴³ / ₆₄	130-B81		
4 Spd. Trans.	446872-62	62 ⁴³ / ₆₄	130-B81		
W/Spd. Cont. - Upper	446874-48	43 ¹⁵ / ₆₄	130-B81		

FORD

FORD (Regular Car) (Cont'd)

1967					
Auto. XPL, 4 Spd., Std., O/D	446872-51	54 ¹³ / ₁₆	130-B81		
Auto. Trans. (exc. XPL)	446872-51	52 ⁹ / ₁₆	130-B81		
3 Spd. Std.	446872-51	49 ⁹ / ₁₆	130-B81		
3 Spd. Std. W/Rolling Door Valve	446874-48	49 ³⁷ / ₆₄	130-B81		
Auto., XPL, 4 Spd. Std., O/D W/Rolling Door Valve	446874-58	53 ⁵ / ₆₄	130-B81		
Auto. exc. XPL W/Rolling Dr. Valve	446874-48	51 ⁵ / ₆₄	130-B81		
Auto. Spd. Cont. - Upper	446874-43	42 ¹⁵ / ₃₂	130-B81		
Auto. Spd. Cont. - Lower	446872-72	75 ¹ / ₁₆	130-B81		
Auto. Spd. Cont. - Lower W/Rolling Door Locks	446872-72	73 ¹ / ₁₆	130-B81		
1966					
6 & 8 Cyl. Std., Trans.	446872-51	50 ⁵¹ / ₆₄	130-B81		
6 & 8 Cyl. Auto. Trans.	446872-51	51 ⁵¹ / ₆₄	130-B81		
XPL & 4 Spd. Std. Trans.	446872-56	54 ⁵¹ / ₆₄	130-B81		
W/Std. Cont. - Upper	446874-43	41 ⁵⁵ / ₆₄	130-B81		
1965					
Std. & Auto. Trans.	446872-62	59 ⁵¹ / ₆₄	130-B81		
8 Cyl. 4 Spd. & O.D.	446872-51	52 ⁵¹ / ₆₄	130-B81		
1964 & 1963					
Std. & Auto. Trans.	446872-56	54 ³ / ₄	130-B81		
O.D. & 4 Spd. Trans.	446872-62	59 ⁵¹ / ₆₄	130-B81		

GALAXIE

1974					
8 cyl., 460 P/C W/C6 Trans, WO/Spd. Cont.	446942-56	58 ¹ / ₁₆	130-B81		
8 cyl., 351-2B, W/CM Trans, WO/Spd. Cont.	446940-56	57 ⁵⁵ / ₆₄	130-B81		
1973					
8 Cyl. 351-2B, CM Auto, WO/Spd. Cont.	446940-56	57 ⁵⁵ / ₆₄	130-B81		
1972					
C6 Auto, exc. 429 P/C, WO/Spd. Cont.	446940-56	57 ⁵⁵ / ₆₄	130-B81		
C4 Auto, 8 cyl. 302-2V, & CM Auto.	-	-	-	-	-
8 cyl. 351-2V All WO/Spd. Cont.	446940-56	57 ⁵⁵ / ₆₄	130-B81		
1971					
Auto. Trans. W/O Spd. Cont. or Mod.	446940-51	50 ²⁷ / ₃₂	130-B81		
H.D. Auto. Trans., exc 429 W/O Spd. Cont. or Mod.	446940-56	53 ²⁷ / ₃₂	130-B81		
240, 302, 351 W/Spd. Cont. or Mod., Lower	446943-31	29 ¹¹ / ₁₆	130-B81		
390, 429; H.D. Auto. W/400, W/Spd. Cont. or Mod. - lower	446943-31	33 ¹¹ / ₁₆	130-B81		
240, 302, 390 W/ Mod.; 400, 429 W/Spd. Cont. - Upper	446945-25	24 ²⁷ / ₃₂	130-B81		
302, 390 W/Spd. Cont. - Upper	446945-25	22 ¹³ / ₃₂	130-B81		
1970					
All, exc. H.D. Auto., W/Modulator or Spd. Cont. - Lower	446943-31	29 ¹¹ / ₁₆	130-B81		
H.D. Auto. W/Mod. or Spd. Cont. - Lower	446943-31	33 ¹¹ / ₁₆	130-B81		
All, W/Mod. or Spd. Cont. - Upper	446945-28	27 ²⁷ / ₃₂	130-B81		
3 Spd. Man. W/O Mod. or Spd. Cont.	446940-51	48 ²⁷ / ₃₂	130-B81		
H.D. Auto., exc. 351-2V, W/O Mod. or Spd. Cont.	446942-56	58 ¹ / ₃₂	130-B81		
351-2V W/Auto. Trans.	446940-51	50 ²⁷ / ₃₂	130-B81		
1969					
Auto. Trans., 3 Spd. Man., exc. Spd. Cont.	446940-51	50 ²⁷ / ₃₂	130-B81		
H.D. Auto. Trans., 4 Spd. Man., exc. Spd. Cont.	446940-56	57 ²⁷ / ₃₂	130-B81		
All, W/Spd. Cont. - Upper	446945-16	15 ¹³ / ₃₂	130-B81		
All W/Spd. Cont. - Lower, exc. H.D. Auto. Trans.	446943-31	32 ¹¹ / ₁₆	130-B81		
All, W/Spd. Cont. - Lower, W/H.D. Auto. Trans.	446943-35	36 ¹¹ / ₁₆	130-B81		

MAVERICK

1974, 1973, 1972					
3 Spd. Man. Trans.	446940-56	55 ⁵ / ₆₄	130-B81		
C4 Auto Trans.	446940-62	63 ⁵⁵ / ₆₄	130-B81		
1971					
3 Spd. Man.	446940-56	53 ²⁷ / ₃₂	130-B81		
Auto. Trans.	446940-62	61 ¹¹ / ₃₂	130-B81		
1970					
3 Spd. Man.	446940-56	53 ²⁷ / ₃₂	130-B81		
Auto. Trans.	446940-56	57 ²⁷ / ₃₂	130-B81		

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE		MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)					LENGTH TIP TO TIP (B)	PART NO. (C)
FORD						FORD					
MUSTANG						MUSTANG (Cont'd)					
1974	All		446943-72	74 ⁴⁵ / ₆₄	130-B81	1966	6 & 8 Cyl. 3 Spd. Std. Trans.		446872-51	48 ⁴³ / ₆₄	130-B81
1973	3 Spd. Man.		446940-56	57 ⁵⁵ / ₆₄	130-B81		6 & 8 Cyl. Auto. Trans.		446872-62	57 ¹⁹ / ₆₄	130-B81
	C4 Auto. W/O Spd. Cont.		446940-62	63 ⁵⁵ / ₆₄	130-B81		6 Cyl. 4 Spd. Std. Trans.		446872-62	-	130-B81
1972	C4, CM, & C6 Auto. W/O Spd. Cont.		446940-62	63 ⁵⁵ / ₆₄	130-B81		8 Cyl. 4 Spd. Std. Trans.		446872-62	64 ⁵¹ / ₆₄	130-B81
	3 Spd. Man.		446940-56	57 ⁵⁵ / ₆₄	130-B81	PINTO					
1971	3 Spd. Man. W/O Spd. Cont. or Mod.		446940-56	53 ²⁷ / ₃₂	130-B81	1974	C4 Auto. Trans.		446940-62	63 ⁵⁵ / ₆₄	130-B81
	Auto. Trans. W/O 3.91 or 4.11:1 Rr., prior 11-16-70 W/O Spd. Cont. or Modulator		446940-62	61 ¹¹ / ₃₂	130-B81	1973	Man. Trans.		446940-70	71 ⁵⁵ / ₆₄	130-B81
	Auto. Trans. W/O 3.91 or 4.11:1 Rr., After 11-16-70 W/O Spd. Cont. or Modulator		446940-62	61 ¹¹ / ₃₂	130-B81		C4 Auto. Trans.		446940-62	63 ⁵⁵ / ₆₄	130-B81
	H.D. Auto. Trans. W/3.91 or 4.11:1 Rr., W/O Spd. Cont. or Mod.		446940-56	57 ²⁷ / ₃₂	130-B81	1972	C4 Auto. Trans.		446940-62	63 ⁵⁵ / ₆₄	130-B81
	4 Spd. Man., exc. 302-4V H/O & 351-4V Special, W/O Spd. Cont. to Mod.		446940-74	75 ²⁷ / ₃₂	130-B81	1971	Auto. Trans.		446940-62	61 ¹¹ / ₃₂	130-B81
	4 Spd. Man., W/302-4V H/O & 351-4V Special W/O Spd. Cont. or Mod.		446940-70	71 ²⁷ / ₃₂	130-B81		4 Spd. Man.		446940-51	52 ²⁷ / ₃₂	130-B81
	250, W/Mod. - Lower		446944-47	45 ²⁹ / ₃₂	130-B81	THUNDERBIRD					
	250, W/Mod. - Upper		446945-10	9 ²⁷ / ₃₂	130-B81	1971	Auto W/O Spd. Cont. or Mod.		446940-70	67 ²⁷ / ₃₂	130-B81
1970	3 Spd. Man. W/O Spd. Cont. or Mod.		446940-56	53 ²⁷ / ₃₂	130-B81		W/Spd. Cont. &/or Mod.-Lower		-	38 ¹ / ₄	130-B81
	Auto. Trans., H.D. Auto., W/Mod. exc. 3.91 or 4.30:1 Rr. - Lower		446944-47	45 ²⁹ / ₃₂	130-B81		W/Spd. Cont. &/or Mod.-Upper		-	38	130-B81
	3 Spd. Man. W/Mod. exc. 3.91 or 4.30:1 Rr. - Lower		446944-39	41 ²⁹ / ₃₂	130-B81	1970	All, W/Spd. Cont., before 10-1-69		-	-	-
	4 Spd. Man. W/Mod. exc. 3.91 or 4.30:1 Rr. - Lower		446943-64	63 ¹¹ / ₁₆	130-B81		-Upper		446945-28	26 ¹³ / ₃₂	130-B81
	Auto. Trans., H.D. Auto., W/Mod. W/3.91 or 4.30:1 Rr. - Lower		446874-58	56 ¹⁹ / ₃₂	130-B81		All, W/Spd. Cont., after 10-1-69		-	-	-
	3 & 4 Spd. Man. W/Mod., W/3.91 or 4.30:1 Rr. - Lower		446874-58	58 ³ / ₃₂	130-B81		-Upper		446945-32	31 ¹³ / ₃₂	130-B81
	Auto. Trans. W/O Mod. or Spd. Cont.		446942-56	58 ¹ / ₃₂	130-B81		All, W/Spd. Cont., before 10-1-69		-	-	-
	H.D. Auto., W/O Mod. or Spd. Cont.		446942-63	62 ¹ / ₁₆	130-B81		-Lower		446944-39	40 ¹³ / ₃₂	130-B81
	W/O 3.91 or 4.30:1 Rr.		446942-63	62 ¹ / ₁₆	130-B81		All, W/Spd. Cont., after 10-1-69		-	-	-
1970	4 Spd. Man. exc. 3.91 or 4.30:1 Rr. W/O Mod. or Spd. Cont.		446940-74	75 ²⁷ / ₃₂	130-B81		Lower		446944-39	37 ²⁹ / ₃₂	130-B81
	4 Spd. Man. W/3.91 or 4.30:1 Rr. W/O Mod. or Spd. Cont.		446941-70	70 ¹ / ₄	130-B81		All exc. W/Spd. Cont.		446940-70	67 ²⁷ / ₃₂	130-B81
	3 Spd. Man. W/O Mod. or Spd. Cont.		446940-56	53 ²⁷ / ₃₂	130-B81	1969	All, exc. W/Spd. Cont.		446940-70	67 ²⁷ / ₃₂	130-B81
	H.D. Auto. Trans., W/3.91 or 4.30:1 Rr.		446941-61	58 ¹ / ₄	130-B81		All W/Spd. Cont. - Upper		446945-28	26 ¹³ / ₃₂	130-B81
1969	Auto Trans., 3 Spd. Man., exc. Spd. Cont.		446940-56	57 ²⁷ / ₃₂	130-B81		H.D. Auto. Trans. W/Spd. Cont. - Lower		-	69 ⁷ / ₁₆	.150 L.H.
	H.D. Auto. Trans., exc. Spd. Cont., exc. 3.91 or 4.30:1 Rr.		446940-62	61 ²⁷ / ₃₂	130-B81	1967	Auto. XPL		-	59 ⁵⁵ / ₆₄	130-B81
	H.D. Auto. Trans., W/3.91 or 4.30:1 Rr.		446941-61	58 ¹ / ₄	130-B81		Auto. XPL W/ Rolling Door Lock		-	59 ¹ / ₆₄	130-B81
	4 Spd. Man., exc. Spd. Cont. exc. 3.91 or 4.30:1 Rr. 4 Spd. Man. W/428-from 1-31-69		446940-74	75 ²⁷ / ₃₂	130-B81		Auto. W/Spd. Cont. - Upper		-	43 ²⁵ / ₆₄	130-B81
	4 Spd. Man., W/3.91 or 4.30:1 Rr. before 1-31-69 4 Spd. Man., exc. 428, W/3.91 or 4.30:1 Rr.-from 1-31-69		446941-70	70 ¹ / ₄	130-B81		Auto. W/Spd. Cont. - Lower		446872-72	71 ⁹ / ₁₆	130-B81
	All, W/Std. Cont.-Upper		446941-61	56 ¹ / ₄	130-B81		Auto. W/Spd. Cont. & Rolling Door Locks-Lower		446874-68	67 ¹⁵ / ₃₂	130-B81
	All, W/Std. Cont.-Lower		-	73 ¹³ / ₃₂	.150 L.H.	1966	All, exc. Spd. Cont.		446872-72	72 ⁵¹ / ₆₄	130-B81
1968	239, 302 W/4 Spd. & 390 W/3 Spd.		446872-72	76 ⁴³ / ₆₄	130-B81	1964 & 1963	All		446872-51	50 ⁵ / ₈	130-B81
	390 W/ Auto. Trans. XPL		446872-66	66 ¹¹ / ₆₄	130-B81	TORINO					
	200, 289, 302 W/Auto. Trans. XP		446872-62	62 ⁴³ / ₆₄	130-B81	1974	6 & 8 Cyl. 302 & 351-2B, W/C4, CM & 3 Spd. Trans. All W/O Spd. Cont.		446940-70	71 ⁵⁵ / ₆₄	130-B81
	200, 289, 302 W/3 Spd. Trans.		446872-62	58 ⁴³ / ₆₄	130-B81		C6 Trans. W/O Spd. Cont.		446943-72	74 ⁴⁵ / ₆₄	130-B81
	W/Spd. Cont., All V-8's, Trans. XP & XPL - Upper		446874-58	55 ¹⁵ / ₆₄	130-B81	1973	6 Cyl., 8 Cyl. 302, 351-2B, C4 & CM Auto. W/O Spd. Cont.		446940-70	71 ⁵⁵ / ₆₄	130-B81
1967	6 Cyl. & 289 Auto. exc. XPL		446872-62	62 ⁵¹ / ₆₄	130-B81	1972	C6 Auto. & 4 Spd. W/O Spd. Cont.		446943-72	74 ⁴⁵ / ₆₄	130-B81
	6 Cyl. & 289 3 Spd. Std.		446872-62	58 ⁵¹ / ₆₄	130-B81		C4 Auto. & 3 Spd. W/O Spd. Cont.		446940-70	71 ⁵⁵ / ₆₄	130-B81
	289 & 390 Auto. Spd. Cont. - Upper		446874-39	36 ¹⁵ / ₆₄	130-B81	1971	4 Spd. Man., exc. 3.91 or 4.30:1 Rr. W/O Spd. Cont. or Mod.		446940-101	102 ²⁷ / ₃₂	130-B114
	289 Auto. Spd. Cont. - Lower		446872-66	65 ¹⁹ / ₆₄	130-B81		4 Spd. Man. W/3.91 or 4.30:1 Rr. W/O Spd. Cont. or Mod.		446941-99	99 ¹ / ₄	130-B114
	390 Auto. Spd. Cont. - Lower		446872-66	68 ⁵¹ / ₆₄	130-B81		3 Spd. Man. or Auto Trans. W/O Spd. Cont. or Mod.		446940-70	67 ²⁷ / ₃₂	130-B81
	390 3 & 4 Spd. Std.		446872-72	76 ⁵¹ / ₆₄	130-B81		250, W/Mod. - Lower		446944-39	39 ¹³ / ₃₂	130-B81
	390 Auto. XPL		446872-66	66 ¹⁹ / ₆₄	130-B81		250, W/Mod. - Upper		446945-28	27 ²⁷ / ₃₂	130-B81
						1970	Auto. Trans. W/Mod. - Lower		446944-39	39 ¹³ / ₃₂	130-B81
							3 Spd. Man., W/Mod. - Lower		446943-35	37 ¹¹ / ₁₆	130-B81
							4 Spd. Man., W/Mod. - Lower		446943-40	41 ¹¹ / ₁₆	130-B81
							All, W/Mod., exc. 3 & 4 Spd. - Upper		446945-28	27 ²⁷ / ₃₂	130-B81
							3 Spd. Man., W/O Mod. or Spd. Cont.		446940-56	53 ²⁷ / ₃₂	130-B81
							Auto. Trans. W/O Mod. or Spd. Cont.		446942-56	58 ¹ / ₃₂	130-B81
							H.D. Auto., exc. 3.91 or 4.30:1 Rr., W/O Mod. or Spd. Cont.		446942-63	65 ¹ / ₃₂	130-B81

FORD, LINCOLN, MERCURY

FLEXIBLE SHAFTS

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE		MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO (B)	PART NO. (C)					LENGTH TIP TO (B)	PART NO. (C)
FORD						LINCOLN					
TORINO (Cont'd)						MARK III & IV (Cont'd)					
1970 (Cont'd)						1970					
H.D. Auto., W/3.91 or 4.30:1 Rr.,			446941-61	61 ¹ / ₄	130-B81	All W/Spd. Cont. or Mod., from			446874-20	19 ¹¹ / ₁₆	130-B81
W/O Mod. or Spd. Cont.						7-29-68 - Upper.....					
4 Spd. Man., exc. 3.91 or 4.30:1 Rr.,			446940-101	102 ²⁷ / ₃₂	130-B114	All W/Spd. Cont. or Mod. - Lower.....			-	69 ⁷ / ₁₆	.150 L.H.
W/O Mod. or Spd. Cont.						H.D. Auto. Trans. W/O Spd. Cont. or					
4 Spd. Man., W/3.91 or 4.30:1 Rr.,			446941-99	99 ¹ / ₄	130-B114	Mod.			446940-70	67 ²⁷ / ₃₂	130-B81
W/O Mod. or Spd. Cont.						1969					
Auto. Trs.; 3 Spd. Man. W/390; 4 Spd.			446940-62	63 ²⁷ / ₃₂	130-B81	H.D. Auto. Trans. W/O Spd. Cont. or			-	67 ¹ / ₄	130-B81
Man. & H.D. Auto. Trans., exc. 3.91						Mod. before 7-29-68					
or 4.30:1 Rr.; 4 Spd. Man. W/428			446940-56	53 ²⁷ / ₃₂	130-B81	H.D. Auto. Trans. W/O Spd. Cont. or			446940-70	67 ²⁷ / ₃₂	130-B81
from 1-31-69						Mod. from 7-29-68					
3 Spd. Man., exc. 390			446941-61	60 ¹ / ₄	130-B81	H.D. Auto. W/Spd. Cont. or Mod.			-	40 ²⁹ / ₃₂	130-B81
H.D. Auto. Trans. W/ 3.91 or 4.30:1 Rr.						before 7-29-68 - Upper.....					
4 Spd. Man. W/3.91 or 4.30:1 Rr.,			446941-47	47 ¹ / ₄	130-B81	All W/Spd. Cont. or Mod. from			446874-20	19 ¹¹ / ₃₂	130-B81
before 1-31-69; 4 Spd. Man. exc.						7-29-68 - Upper.....					
428 W/3.91 or 4.30: Rr. from 1-31-69....			All W/Spd. Cont. or Mod. - Lower.....			-	69 ⁷ / ₁₆	.150 L.H.			
LINCOLN						MERCURY					
LINCOLN-CONTINENTAL						COMET					
1974						1974					
C6 Trans. WO/Spd. Cont.			446940-70	71 ⁵⁵ / ₆₄	130-B81	Man. Trans. WO/Spd. Cont.			446940-56	57 ⁵⁵ / ₆₄	130-B81
1972						C4 Auto. Trans. WO/Spd. Cont.			446940-62	63 ⁵⁵ / ₆₄	130-B81
C6 Trans. WO/Spd. Cont.			446943-72	74 ⁴⁵ / ₆₄	130-B81	1973					
1971						6 Cyl. 250, 8 Cyl. Auto. Trans. WO/Spd.			446940-62	63 ⁵⁵ / ₆₄	130-B81
All, W/Spd. Cont. and/or Mod. - Upper			-	36 ¹⁷ / ₃₂	130-B81	Cont.					
All (Calif. only) W/Mod. W/O Spd.			446945-28	25 ¹³ / ₃₂	130-B81	Man. Trans.			446940-56	57 ⁵⁵ / ₆₄	130-B81
Cont. - Upper.....						1972					
All (Calif. only) W/Mod. W/O Spd.			446943-40	42 ³ / ₁₆	130-B81	C4 Auto. Trans. WO/Spd. Cont.			446940-62	63 ⁵⁵ / ₆₄	130-B81
Cont. - Lower.....						1971					
All (Calif. only) W/Mod. & Spd.			446943-72	74 ¹⁵ / ₁₆	130-B81	3 Spd. Man.			446940-56	53 ²⁷ / ₃₂	130-B81
Cont. - Lower.....						Auto. Trans.			446940-62	61 ¹¹ / ₃₂	130-B81
H.D. Auto. Trans., W/O Spd. Cont.			-	69 ⁹ / ₃₂	130-B81	250 W/Mod. (Calif. only) - Lower			446944-47	49 ¹³ / ₃₂	130-B81
or Mod.			-	41 ²¹ / ₃₂	.150 L.H.	250 W/Mod. - Upper			446945-7	6 ¹³ / ₃₂	130-B81
All W/Spd. Cont. or Mod. - Lower.....			1970			3 Spd. Man.			446940-56	53 ²⁷ / ₃₂	130-B81
1970						Reg. Auto. Trans.			446942-56	58 ¹ / ₃₂	130-B81
H.D. Auto. Trans., W/O Spd. Cont. or			-	69 ⁹ / ₃₂	130-B81	H.D. Auto. W/O 3.91 or 4.30:1 Rr.			446942-63	65 ¹ / ₃₂	130-B81
Mod.			-	36 ¹⁷ / ₃₂	130-B81	H.D. Auto. W/3.91 or 4.30:1 Rr.			446941-61	61 ¹ / ₄	130-B81
All, W/Spd. Cont. or Mod. - Upper			-	41 ²¹ / ₃₂	.150 L.H.	4 Spd. Man. W/O 3.91 or 4.30:1 Rr.			446940-101	102 ²⁷ / ₃₂	130-B114
All, W/Spd. Cont. or Mod. - Lower.....			-	66 ⁷ / ₁₆	130-B81	4 Spd. Man. W/3.91 or 4.30:1 Rr.			446941-99	99 ¹ / ₄	130-B114
1969						All W/Auto. Trans. - Lower			446944-39	39 ¹³ / ₃₂	130-B81
H.D. Auto. W/O Spd. Cont. or Mod.			446943-64	66 ⁷ / ₁₆	130-B81	All W/4 Spd. Man. - Lower			446943-40	41 ¹¹ / ₁₆	130-B81
H.D. Auto. W/Spd. Cont. or Mod. -			446874-58	58 ²⁷ / ₃₂	130-B81	All, exc. 4 Spd. Man. & 351-4V GT,			446945-28	27 ²⁷ / ₃₂	130-B81
Upper.....						3 Spd. Man. - Upper					
All, W/Spd. Cont. or Mod. - Lower.....			446943-72	69 ⁷ / ₁₆	130-B81	1969					
1968 Speedometer Cable.....			446872-66	66 ⁷ / ₁₆	130-B81	3 Spd. Man. exc. 390.....			446940-56	53 ²⁷ / ₃₂	130-B81
W/Spd. Cont. - Upper.....			446874-58	58 ⁶³ / ₆₄	130-B81	3 Spd. Man. W/390; Auto. Trs.; 4 Spd.			446940-62	63 ²⁷ / ₃₂	130-B81
1967						Man. or H.D. Auto. Trans. W/O 3.91					
Auto, XPL.....			-	59 ⁴⁹ / ₆₄	130-B81	or 4.30:1 Rr.; 4 Spd. Man. W/428					
Auto, XPL W/Rolling Door Locks			446874-58	56 ¹³ / ₆₄	130-B81	from 1-31-69					
Auto, W/Spd. Cont. - Upper			446874-58	58 ³¹ / ₆₄	130-B81	4 Spd. Man. W/3.91 or 4.30:1 Rr.:			446941-47	47 ¹ / ₄	130-B81
Auto, W/Spd. Cont. - Lower			-	69 ¹⁵ / ₁₆	130-B81	before 1-31-69; 4 Spd. exc. 428					
Auto W/Spd. Cont. & Rolling Dr. Locks....			446874-68	65 ¹⁵ / ₁₆	130-B81	W/3.91 or 4.30:1 Rr. from 1-31-69					
1966 Continental (W/O Spd. Cont.)			446872-72	72 ⁵¹ / ₆₄	130-B81	1967					
1965 Continental (W/O Spd. Cont.)			446874-63	62 ¹ / ₈	130-B81	6 Cyl. & 289 Auto. (Exc. XPL).....			-	62 ⁵¹ / ₆₄	130-B81
1964						289, 390, 3 & 4 Spd. Std.			446872-72	76 ⁵¹ / ₆₄	130-B81
Continental (Auto. Pilot - Upper)			446874-58	56 ¹ / ₈	130-B81	390 Auto. XPL.....			-	64 ⁵¹ / ₆₄	130-B81
Continental (Auto. Pilot - Lower).....			-	53 ⁵ / ₈	130-B81	1966 6 Cyl. Std. Trans.....			446872-51	52 ¹ / ₃₂	130-B81
MARK III & IV						6 & 8 Cyl. Auto. Trans. W/O.D.			446872-56	55 ¹ / ₃₂	130-B81
1974, 1973, 1972						289-8 Cyl. Std. Trans.....			446872-51	52 ¹ / ₃₂	130-B81
C6 Trans. W/O Spd. Cont. or Mod.			446940-70	71 ⁵⁵ / ₆₄	130-B81	390 XPL & Auto. Trans.			446872-62	61 ¹ / ₃₂	130-B81
1971						390 3 & 4 Spd. Std. Trans.....			446872-62	58 ¹ / ₃₂	130-B81
W/Spd. Cont. and/or Mod. - Upper.....			446874-20	19 ¹¹ / ₃₂	130-B81	1965					
W/Mod. W/O Spd. Cont. - Upper			-	38	130-B81	6 & 8 Cyl. Std.			446872-51	53 ⁵¹ / ₆₄	130-B81
W/Mod. and Spd. Cont. (Calif. only) -			446943-72	74 ¹⁵ / ₁₆	130-B81	6 & 8 Cyl. Auto.			446872-62	58 ⁵¹ / ₆₄	130-B81
Lower						4 Spd. - 8 Cyl.			446872-72	74 ⁹ / ₁₆	130-B81
W/Mod. and Spd. Cont. - Lower			446943-72	74 ¹⁵ / ₁₆	130-B81	1964					
W/Mod. W/O Spd. Cont. - Lower			-	38 ¹ / ₄	130-B81	Std. Trans.			446872-56	54 ³ / ₄	130-B81
H.D. Auto. Trans. W/O Spd. Cont. or			446940-70	67 ²⁷ / ₃₂	130-B81	Auto. Trans.....			446872-62	59 ⁵¹ / ₆₄	130-B81
Mod.						All (Spd. Cont.).....			-	50	-
COUGAR						1974					
C4, CM Auto Trans. WO/Spd. Cont.			446940-70	71 ⁵⁵ / ₆₄	130-B81	C6 Auto Trans. WO/Spd. Cont.					
C6 Auto Trans. WO/Spd. Cont.			446943-72	74 ⁴⁵ / ₆₄	130-B81						

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE		MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE		
				LENGTH TIP TO TIP (B)	PART NO. (C)					LENGTH TIP TO TIP (B)	PART NO. (C)	
MERCURY						MERCURY						
COUGAR (Cont'd)						MERCURY (Cont'd)						
1973	Auto. Trans. W/O 3.91 or 4.11:1 Rr. Axle...		446940-62	63 ⁵⁵ / ₆₄	130-B81	1971	Reg. Auto. Trans.		446940-51	50 ²⁷ / ₃₂	130-B81	
1972	C6 Auto. Trans. & C4, CM Auto (from 11-16-70)						H.D. Auto. exc. 429 P/C		446940-56	53 ²⁷ / ₃₂	130-B81	
	WO/Cruise Cont.		446940-62	63 ⁵⁵ / ₆₄	130-B81		H.D. Auto. W/429 P/C					
1971	4 Spd. Man.		446940-74	75 ²⁷ / ₃₂	130-B81		400, 429, 351 W/Auto. Trans. W/Mod. &/or Spd. Cont. - Lower		446943-31	33 ¹¹ / ₁₆	130-B81	
	Reg. Auto. Trans., before 11-16-70; H.D. Auto. W/O 3.91 or 4.11:1 Rr., before 11-16-70		446940-62	61 ¹¹ / ₁₆	130-B81		351 W/Mod. and/or Spd. Cont. - Lower		446943-31	29 ¹¹ / ₁₆	130-B81	
	Reg. Auto. Trans., from 11-16-70; H.D. Auto. W/O 3.91 or 4.11:1 Rr., from 11-16-70		446940-62	61 ¹¹ / ₁₆	130-B81		400, 429 W/Mod. and/or Spd. Cont. - Lower		446945-25	24 ²⁷ / ₃₂	130-B81	
	H.D. Auto. W/3.91 or 4.11:1 Rr.		446940-56	57 ²⁷ / ₃₂	130-B81		3 Spd. Man.		446940-51	48 ²⁷ / ₃₂	130-B81	
	3 Spd. Man.		446940-56	53 ²⁷ / ₃₂	130-B81	1970	H.D. Auto. Trans.		446942-56	58 ¹ / ₃₂	130-B81	
1970	4 Spd. Man., W/O 3.91 or 4.30:1 Rr.		446940-74	75 ²⁷ / ₃₂	130-B81		3 Spd. Man.		446940-51	48 ²⁷ / ₃₂	130-B81	
	4 Spd. Man. W/3.91 or 4.30:1 Rr.		446941-70	70 ¹ / ₄	130-B81		All W/Spd. Cont. and/or Mod. before 1-19-70; W/Spd. Cont. & Mod. from 1-19-70 - Upper		446945-28	27 ²⁷ / ₃₂	130-B81	
	H.D. Auto. Trans. W/3.91 or 4.30:1 Rr.		446941-61	58 ¹ / ₄	130-B81		All W/Mod., W/O Spd. Cont. from 1-19-70 - Upper		446945-25	22 ¹³ / ₃₂	130-B81	
	Light Duty Auto; Intermediate Auto. before 12-15-69		446942-56	58 ¹ / ₃₂	130-B81		All W/Spd. Cont. and/or Mod. - Lower		446943-31	33 ¹¹ / ₁₆	130-B81	
	H.D. Auto. W/O 3.91 or 4.30:1 Rr.; Intermediate Auto. from 12-15-69		446942-63	62 ¹ / ₁₆	130-B81	1969	3 Spd. Man. W/O Spd. Cont. or Mod.		446940-51	50 ²⁷ / ₃₂	130-B81	
	3 Spd. Man.		446940-56	53 ²⁷ / ₃₂	130-B81		H.D. Auto. Trans. W/O Spd. Cont. or Mod.		446940-56	57 ²⁷ / ₃₂	130-B81	
	All W/Auto. Trans. W/Mod. - Upper		446945-10	9 ²⁷ / ₃₂	130-B81		All W/Spd. Cont. or Mod. - Upper		446945-16	15 ¹³ / ₃₂	130-B81	
	All, Regulator to Trans.			73 ¹³ / ₃₂	150 L.H.		W/Spd. Cont. or Mod. W/H.D. Auto. Trans. - Lower		446943-35	36 ¹¹ / ₁₆	130-B81	
	351-2V, 428 CJ W/Auto. Trans., 351-4V W/Auto. Trans. W/Mod. before 12-15-69 - Lower		446944-47	45 ²⁹ / ₃₂	130-B81		W/Spd. Cont. or Mod. W/O H.D. Auto. Trans. - Lower		446943-31	32 ¹¹ / ₁₆	130-B81	
	3 Spd. Man. exc. 3.91 or 4.30:1 Rr., W/Mod. - Lower		446944-39	41 ²⁹ / ₃₂	130-B81	1968	Auto. Trans. XPL		446872-56	54 ⁴³ / ₆₄	130-B81	
	Man. Trans. W/3.91 or 4.30:1 Rr., W/Mod. - Lower		446874-58	58 ³ / ₃₂	130-B81		3 Spd. Std. Trans.		446872-51	50 ⁴³ / ₆₄	120-B81	
	Auto. Trans. W/3.91 or 4.30:1 Rr., W/Mod. - Lower		446874-58	56 ¹⁹ / ₃₂	130-B81		Auto. Trans. XP, FMX, MX, W/O.D.		446872-51	52 ⁴³ / ₆₄	130-B81	
	351-4V W/Auto. Trans. W/Mod. from 12-15-69 - Lower		446944-47	49 ²⁹ / ₃₂	130-B81		4 Spd. Trans.		446872-62	62 ⁴³ / ₆₄	130-B81	
1969	3 Spd. Man. or Reg. Auto.; exc. 390		446940-56	57 ²⁷ / ₃₂	130-B81	1967	Auto. XPL, 4 Spd. Std. & O.D.		446872-56	54 ¹³ / ₁₆	130-B81	
	3 Spd. Man. W/390; 4 Spd. Man. W/O 3.91 or 4.30:1 Rr.; 4 Spd. Man. W/428, from 1-31-69 W/3.91 or 4.30:1 Rr.		446940-74	75 ²⁷ / ₃₂	130-B81		Auto. exc. XPL		446872-51	52 ⁹ / ₁₆	130-B81	
	4 Spd. Man. W/3.91 or 4.30:1 Rr., before 1-31-69; 4 Spd. Man. exc. 428, W/3.91 or 4.30:1 Rr. from 1-31-69		446941-70	70 ¹ / ₄	130-B81		3 Spd. Std.		446872-51	49 ⁹ / ₁₆	130-B81	
	H.D. Auto. W/O 3.91 or 4.30:1 Rr.		446940-62	61 ²⁷ / ₃₂	130-B81		Auto. XPL, 4 Spd. Std. O.D. Rolling Door Locks		446874-58	53 ⁵ / ₆₄	130-B81	
	H.D. Auto. W/3.91 or 4.30:1 Rr.		446941-61	58 ¹ / ₄	130-B81		Auto. W/Rolling Door Locks exc. XPL		446874-48	51 ⁵ / ₆₄	130-B81	
	All W/Spd. Cont. or Mod. - Upper		446941-61	56 ¹ / ₄	130-B81		3 Spd. Std. W/Rolling Door Locks		446874-48	49 ³⁷ / ₆₄	130-B81	
	All W/Spd. Cont. or Mod. - Lower			73 ¹³ / ₃₂	150 L.H.		Auto. W/Spd. Cont. - Upper		446874-43	40 ²³ / ₃₂	130-B81	
1968	289, 302 W/4 Spd. & 390 W/3 Spd.		446872-72	76 ⁴³ / ₆₄	130-B81		Auto. W/Spd. Cont. - Lower		446872-72	74 ¹⁹ / ₆₄	130-B81	
	390 W/Auto. Trans. XPL		446872-66	66 ¹¹ / ₆₄	130-B81		Auto. W/Spd. Cont. & Rolling Door Locks - Lower		446874-73	70 ¹¹ / ₁₆	130-B81	
	200, 289, 302 W/Auto. Trans. XP		446872-62	62 ⁴³ / ₆₄	130-B81	1966	6 & 8 Cyl. Std. Trans.		446872-51	50 ⁵¹ / ₆₄	130-B81	
	200, 289, 302 W/3 Spd. Trans.		446872-62	58 ⁴³ / ₆₄	130-B81		6 & 8 Cyl. Auto. Trans.		446872-51	52 ⁵¹ / ₆₄	130-B81	
	W/Spd. Cont. All V-8s, Trans. XP & XPL - Upper		446874-58	55 ¹⁵ / ₆₄	130-B81		XPL & 4 Spd. Trans.		446872-56	54 ⁵¹ / ₆₄	130-B81	
1967	289, 390 3 & 4 Spd. Std.		446872-72	76 ⁵¹ / ₆₄	130-B81		1965	Std. & Auto. Trans.		446872-51	49 ⁵¹ / ₆₄	130-B81
	390 Auto. XPL		446872-66	66 ¹⁹ / ₆₄	130-B81		8 Cyl. - 4 Spd. & O.D.		446872-51	52 ⁵¹ / ₆₄	130-B81	
	6 Cyl. & 289 Auto. (exc. XPL)		446872-62	62 ⁵¹ / ₆₄	130-B81		1964	Std. & Auto. Trans.		446872-62	59 ⁵¹ / ₆₅	130-B81
	6 Cyl. & 289 3 Spd. Std.		446872-62	58 ⁵¹ / ₆₄	130-B81		O.D. & 4 Spd. Trans.		446872-62	57	130-B81	
	289, 390 Auto. W/Spd. Cont. - Upper		446874-39	36 ¹⁵ / ₆₄	130-B81	METEOR						
	390 Auto. W/Spd. Cont. - Lower		446872-66	68 ⁵¹ / ₆₄	130-B81	1974, 1973	CM Auto. Trans. WO/Spd. Cont.		446940-56	57 ⁵⁵ / ₆₄	130-B81	
	289 Auto. W/Spd. Cont. - Lower		446872-66	65 ¹⁹ / ₆₄	130-B81		1964 & 1963 Auto.		446872-62	62 ¹ / ₈	130-B81	
MERCURY						MONTIGO						
1974	8 Cyl. 351-2B, W CM Auto. Trans. W/O Spd. Cont.		446940-56	57 ⁵⁵ / ₆₄	130-B81	1974	6 & 8 Cyl. 302 & 351-2B, C4 & CM Auto. & 3 Spd. Man. All WO/Spd. Cont.		446940-70	71 ⁵⁵ / ₆₄	130-B81	
	C6 Auto. Exc. P/C, WO/Spd. Cont.		446940-56	57 ⁵⁵ / ₆₄	130-B81		C6 Auto & 4 Spd. Man. Trans.		446943-72	74 ⁴⁵ / ₆₄	130-B81	
1973	8 Cyl. 351-2B W/CM Auto. Trans. WO/Spd. Cont.		446940-56	57 ⁵⁵ / ₆₄	130-B81	1973	6 & 8 Cyl. 302-351-2B, C4 & CM Auto WO/Spd. Cont.		446940-70	71 ⁵⁵ / ₆₄	130-B81	
							4 Spd. Man. & CG Auto WO/Spd. Cont.		446943-72	74 ⁴⁵ / ₆₄	130-B81	
						1972	C4 Auto. & 3 Spd. Trans. WO/Spd. Cont.		446940-70	71 ⁵⁵ / ₆₄	130-B81	
							C6 Auto. & 4 Spd. Trans. WO/Spd. Cont.		446943-72	74 ⁴⁵ / ₆₄	130-B81	

MERCURY, OLDSMOBILE

FLEXIBLE SHAFTS

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
MERCURY					
MONTEGO (Cont'd)					
1971					
4 Spd. Std. W/O 3.91:1 Rr.			446940-101	102 ²⁷ / ₃₂	130-B114
4 Spd. Man. W/3.91:1 Rr.			446941-99	99 ¹ / ₄	130-B114
3 Spd. Std., Auto. Trans.			446940-70	67 ²⁷ / ₃₂	130-B81
250 W/Std. Trans. W/Mod. - Lower			446944-39	39 ¹³ / ₃₂	130-B81
250 W/Auto. Trans. W/Mod. (Calif. only) - Lower			446943-40	41 ¹¹ / ₁₆	130-B81
270 W/Auto. Trans. (Calif. only) - Upper			446945-28	27 ²⁷ / ₃₂	130-B81
1970					
3 Spd. Man.			446940-56	53 ²⁷ / ₃₂	130-B81
Reg. Auto. Trans.			446942-56	58 ¹ / ₃₂	130-B81
H.D. Auto. W/O 3.91 or 4.30:1 Rr.			446942-63	65 ¹ / ₃₂	130-B81
H.D. Auto. W/3.91 or 4.30:1 Rr.			446941-61	61 ¹ / ₄	130-B81
4 Spd. Man. W/O 3.91 or 4.30:1 Rr.			446940-101	102 ²⁷ / ₃₂	130-B114
4 Spd. Man. W/3.91 or 4.30:1 Rr.			446941-99	99 ¹ / ₄	130-B114
All W/Auto. Trans. - Lower			446944-39	39 ¹³ / ₃₂	130-B81
All W/4 Spd. Man. - Lower			446943-40	41 ¹¹ / ₁₆	130-B81
All exc. 4 Spd. Man. & 351-4V GT, 3 Spd. Man. - Upper			446945-28	27 ²⁷ / ₃₂	130-B81
1969					
3 Spd. Man. exc. 390			446940-56	53 ²⁷ / ₃₂	130-B81
3 Spd. Man. W/390; Auto. Trs.; 4 Spd. Man. or H.D. Auto. Trans. W/O 3.91 or 4.30:1 Rr.; 4 Spd. Man. W/428 from 1-31-69			446940-62	63 ²⁷ / ₃₂	130-B81
4 Spd. Man. W/3.91 or 4.30:1 Rr.; before 1-31-69; 4 Spd. exc. 428. W/3.91 or 4.30:1 Rr. from 1-31-69			446941-47	47 ¹ / ₄	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
OLDSMOBILE					
CUTLASS, VISTA CRUISER, COLONNADE, SUPREME					
1975					
W/O Cruise & W/Base Synchro. & W/Auto.			446946-70	66 ⁷ / ₁₆	130-B81
W/Cruise - Upper			446946-31	30 ⁷ / ₁₆	130-B81
W/Cruise - Lower			446874-53	53 ¹ / ₈	130-B81
1974					
W/O Cruise Cont.			446946-70	70 ⁷ / ₁₆	130-B81
W/Cruise - Upper			446946-31	31 ⁷ / ₁₆	130-B81
W/Cruise - Lower			446874-53	54 ⁵ / ₃₂	130-B81
1973 (Cutlass, Colonnade)					
W/3 & 4 Spd. SMT.			446946-70	70 ⁷ / ₁₆	130-B81
W/Auto. Trans.			446946-70	70 ⁷ / ₁₆	130-B81
W 6M15, 3 Spd. Man., and M24 W/O Rt. Angle Adapter			446946-76	76 ⁷ / ₁₆	130-B81
W/Cruise - Upper			446946-40	40 ⁷ / ₁₆	130-B81
W/Cruise - Lower			446874-58	59 ⁵ / ₃₂	130-B81
1972 (Cutlass, 442, Vista Cruiser)					
W/3 & 4 Spd. Man Synchro			446946-70	70 ⁷ / ₁₆	130-B81
W/Cruise - Upper			446946-40	40 ⁷ / ₁₆	130-B81
W/Cruise - Lower			446874-58	59 ⁵ / ₃₂	130-B81
W/Auto. T.H.M. 350 Trans.			446946-64	64 ⁷ / ₁₆	130-B81
1971					
Spd. Cont. - Upper			446946-40	40 ⁷ / ₁₆	130-B81
Spd. Cont. - Lower			446874-58	57 ¹ / ₈	130-B81
Auto. Turbo Hydra W/O Spd. Cont.			446946-64	60 ⁷ / ₁₆	130-B81
3 Spd. Man. Synchro			446946-40	40 ⁷ / ₁₆	130-B81
4 Spd. Man. Synchro			446946-70	68 ⁷ / ₁₆	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
DELTA 88, CUSTOM CRUISER, 98 HARD TOP-LUXURY-REGENCY					
1975					
W/O Cruise			446946-52	51 ⁷ / ₁₆	130-B81
W/O Cruise & W/Air Restraint			446946-70	66 ⁷ / ₁₆	130-B81
W/Cruise & W/ & W/O Air Restraint - Upper			446946-44	41 ⁷ / ₁₆	130-B81
W/ & W/O Air Restraint - Lower			446874-53	53 ¹ / ₈	130-B81
1974					
W/O Cruise Cont.			446946-52	52 ⁷ / ₁₆	130-B81
W/O Cruise Cont. & W/Air Restraint			446946-52	52 ⁷ / ₁₆	130-B81
W/Cruise & W/or W/O Air Restraint - Upper			446946-44	44 ⁷ / ₁₆	130-B81
W/Cruise & W/or W/O Air Restraint - Lower			446874-53	54 ⁵ / ₃₂	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
OLDSMOBILE					
DELTA 88, CUSTOM CRUISER, 98 HARD TOP-LUXURY-REGENCY (Cont'd)					
1973 (Delta 88, Custom, 98 Luxury, Regency)					
W/O Cruise Cont.			446946-52	52 ⁷ / ₁₆	130-B81
W/Cruise - Lower			446874-58	59 ⁵ / ₃₂	130-B81
W/Cruise - Upper			446946-52	52 ⁷ / ₁₆	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
DELTA 88, 88 CUSTOM, 88 ROYALE, 98, 98 LUXURY					
1972					
W/O Cruise - 3 Spd. Man. & 350, 400 T.H.M. Trans.			446946-52	52 ⁷ / ₁₆	130-B81
W/Cruise - Lower			446874-58	59 ⁵ / ₃₂	130-B81
W/Cruise - Upper			446946-52	52 ⁷ / ₁₆	130-B81
1971					
Spd. Cont. - Upper			446946-52	48 ⁷ / ₁₆	130-B81
Spd. Cont. - Lower			446874-58	57 ¹ / ₈	130-B81
All, exc. Spd. Cont.			446946-52	52 ⁷ / ₁₆	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
98, LUXURY, REGENCY					
1975					
W/O Cruise			446946-52	51 ⁷ / ₁₆	130-B81
W/O Cruise & W/Air Restraint			446946-70	66 ⁷ / ₁₆	130-B81
W/Cruise: W/ & W/O Air Restraint - Upper			446946-44	41 ⁷ / ₁₆	130-B81
W/ & W/O Air Restraint - Lower			446874-53	53 ¹ / ₈	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
F-85					
1972					
W/3 & 4 Spd. Man. Synchro. Trans.			446946-70	70 ⁷ / ₁₆	130-B81
W/Cruise - Upper			446946-40	40 ⁷ / ₁₆	130-B81
W/Cruise - Lower			446874-58	59 ⁵ / ₃₂	130-B81
W/Auto. T.H.M. 350 Trans.			446946-64	64 ⁷ / ₁₆	130-B81
1971					
Spd. Cont. - Upper			446946-40	40 ⁷ / ₁₆	130-B81
Spd. Cont. - Lower			446874-58	57 ¹ / ₈	130-B81
Auto. Turbo Hydra W/O Spd. Cont.			446946-64	60 ⁷ / ₁₆	130-B81
3 Spd. Synchro			446946-40	40 ⁷ / ₁₆	130-B81
4 Spd. Man. Synchro			446946-70	68 ⁷ / ₁₆	130-B81
1970					
Spd. Cont. - Upper			446946-40	37 ⁷ / ₁₆	130-B81
Spd. Cont. - Lower			446874-58	56 ⁵ / ₈	130-B81
W/O Spd. Cont.			446946-58	58 ⁷ / ₁₆	130-B81
3 & 4 Spd. Man.			446946-40	40 ⁷ / ₁₆	130-B81
W/4 Spd. Man. Trans.			446946-70	67 ⁷ / ₁₆	130-B81
W/3 Spd. Man. Trans.			446946-64	62 ⁷ / ₁₆	130-B81
1969					
Spd. Cont. - Upper			446946-40	37 ⁷ / ₁₆	130-B81
Spd. Cont. - Lower			446874-53	53 ⁵ / ₈	130-B81
Man. 4 Spd. 3.91 Axle			446946-70	67 ⁷ / ₁₆	130-B81
Man. Trans.			446946-64	62 ⁷ / ₁₆	130-B81
Hydra Trans.			446946-58	58 ⁷ / ₁₆	130-B81
1968					
Man. Trans.			-	63 ¹ / ₈	130-B81
Hydra. Trans.			-	59 ¹ / ₈	130-B81
Upper Cruise Cont.			-	38 ¹ / ₈	130-B81
1967					
W/Man. Trans. Hi-Perf.			446874-68	63 ¹ / ₈	130-B81
W/Hydra. Matic			446874-63	59 ¹ / ₈	130-B81
W/Upper Cruise Cont.			-	37 ¹ / ₈	-
W/Lower Cruise Cont.			-	46 ¹ / ₈	-
1966					
W/Synchro-Hi-Performance			446874-68	63 ¹ / ₈	130-B81
W/Hydra			446874-58	59 ¹ / ₈	130-B81
1965 & 1964					
6 Cyl. W/3 Spd. Std. Trans.			446874-48	48 ¹ / ₈	130-B81
W/Auto. Trans.			446874-63	59 ¹ / ₈	130-B81
W/3 & 4 Spd. Std.			446874-63	59 ¹ / ₈	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
JETSTAR					
1968					
W/O Cruise Cont.			-	59 ¹ / ₈	130-B81
W/Lower Cruise Cont.			-	42 ¹ / ₈	130-B81
1967					
W/O Cruise Cont.			-	65 ¹ / ₈	130-B81
W/Lower Cruise Cont.			-	46 ¹ / ₈	-
W/Upper Cruise Cont.			-	37 ¹ / ₈	-

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
OLDSMOBILE (Regular Car)					
1970					
W/Lower Spd. Cont.			446874-53	53 ⁵ / ₈	130-B81
1969					
Spd. Cont., Regulator			446874-53	53 ⁵ / ₈	130-B81

FLEXIBLE SHAFTS

OLDSMOBILE, PLYMOUTH, PONTIAC

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO (B)	PART NO. (C)
OLDSMOBILE					
OMEGA					
1975	All W/A.T.		446946-76	727 ¹ / ₁₆	130-B81
	W/3 Speed Synchro - Upper		446946-44	437 ¹ / ₁₆	130-B81
1974	W/Auto. Trans.		446946-64	647 ¹ / ₁₆	130-B81
	3 Spd. Synchro - Upper		446946-44	447 ¹ / ₁₆	130-B81
1973	W/Auto. Trans.		669646-64	647 ¹ / ₁₆	130-B81
	W/4 Spd. Muncie		446946-58	587 ¹ / ₁₆	130-B81
	W/SMT Sag. Trans. - Upper		446946-44	447 ¹ / ₁₆	130-B81
	W/SMT - Upper		446946-40	407 ¹ / ₁₆	130-B81
TORONADO					
1975	W/O Cruise		446946-36	367 ¹ / ₁₆	130-B81
	W/O Cruise & W/Air Restraint		446946-70	667 ¹ / ₁₆	130-B81
	W/Cruise: W/ & W/O Air Restraint - Upper		446946-52	467 ¹ / ₁₆	130-B81
1974	WO/Cruise Cont.		446946-36	367 ¹ / ₁₆	130-B81
	WO/Cruise & W/Air Restraint		446946-52	527 ¹ / ₁₆	130-B81
	W/Cruise & W/or WO/Air Restraint - Upper		446946-52	527 ¹ / ₁₆	130-B81
	W/Cruise & W/or WO/Air Restraint - Lower		446874-39	405 ⁵ / ₃₂	130-B81
1973	WO/Cruise Cont.		446946-36	367 ¹ / ₁₆	130-B81
	W/Cruise - Upper		446946-52	527 ¹ / ₁₆	130-B81
	W/Cruise - Lower		446874-39	405 ⁵ / ₃₂	130-B81
1972	WO/Cruise (THM 400 Trans.)		446946-36	367 ¹ / ₁₆	130-B81
	W/Cruise - Upper		446946-44	447 ¹ / ₁₆	130-B81
	W/Cruise - Lower		446874-39	405 ⁵ / ₃₂	130-B81
1971	Spd. Cont. - Upper		446946-44	447 ¹ / ₁₆	130-B81
	Spd. Cont. - Lower		-	38 ³ / ₈	130-B81
	All exc. Spd. Cont.		446946-36	367 ¹ / ₁₆	130-B81
1970 & 1969	All		-	38 ³ / ₈	130-B81
1968	W/O Cruise Cont.		446874-39	381 ¹ / ₈	130-B81
	W/Lower Cruise Cont.		-	461 ¹ / ₈	-
1967	W/O Cruise Cont.		446874-39	381 ¹ / ₈	130-B81
	W/Upper Cruise Cont.		-	371 ¹ / ₈	-
	W/Lower Cruise Cont.		-	461 ¹ / ₈	-
	W/Lower Cruise Cont., W/Air Pump		-	461 ¹ / ₈	-
88, 88s, D-88, 98					
1968	88 & 98, W/O Cruise Cont.		-	591 ¹ / ₈	130-B81
	88 & 98, W/Lower Cruise Cont.		-	521 ¹ / ₈	130-B81
	33 & 98, W/Upper Cruise Cont.		-	371 ¹ / ₈	130-B81
1967 (88, D-88, 98)	W/O Cruise Cont.		-	651 ¹ / ₈	130-B81
	W/Lower Cruise Cont.		-	461 ¹ / ₈	-
	W/Upper Cruise Cont.		-	371 ¹ / ₈	-
	W/Lower Cruise Cont., W/Air Pump		-	461 ¹ / ₈	-
1966-1964	88 Thru 98 Series		446624-65	691 ¹ / ₈	130-B81
	Upper Cruise Cont.		446874-39	361 ¹ / ₈	130-B81
1964	88, 88S, 98 All, exc. Spd. Cont.		446626-65	64 ³ / ₄	130-B81

PLYMOUTH					
BARRACUDA					
1974	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
1973-1969	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
	W/Auto, W/Spd. Cont. - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	W/Auto, W/Spd. Cont. - Upper		446957-36	36 ⁹ / ₃₂	130-B81
1968	Speedometer Cable		446772-68	60 ²¹ / ₃₂	130-B81
1967	All		446874-63	61 ³ / ₁₆	130-B81

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO (B)	PART NO. (C)
PLYMOUTH					
BELVEDERE					
1973-1969	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
	W/Auto, W/Spd. Cont. - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	W/Auto, W/Spd. Cont. - Upper		446957-36	36 ⁹ / ₃₂	130-B81
1968	Speedometer Cable		446772-68	60 ²¹ / ₃₂	130-B81
1967	All		446874-63	61 ³ / ₁₆	130-B81
1965	All		446873-75	70 ²¹ / ₃₂	130-B81
FURY					
1973-1969	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
	W/Auto, W/Spd. Cont. - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	W/Auto, W/Spd. Cont. - Upper		446957-36	36 ⁹ / ₃₂	130-B81
1968	Speedometer Cable		446772-68	63 ²¹ / ₃₂	130-B81
1967	W/O Auto. Pilot		446874-48	64 ³ / ₁₆	130-B81
	W/Auto. Pilot - Upper		446874-39	38 ³ / ₁₆	130-B81
	W/Auto. Pilot - Lower		-	60 ³ / ₁₆	150 L.H.
1965	W/O Auto. Pilot		446873-67	66 ⁵⁵ / ₆₄	130-B81
	W/Auto. Pilot - Upper		-	31 ¹ / ₃₂	130-B81
	W/Auto. Pilot - Lower		-	55 ⁵⁵ / ₆₄	-
PLYMOUTH (Regular Car)					
1974	W/Auto. Trans., WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
	W/Spd. Cont. - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	W/Spd. Cont. - Upper		446957-36	36 ⁹ / ₃₂	130-B81
1971	W/O Spd. Cont.		446772-68	63 ¹⁹ / ₃₂	130-B81
	W/Spd. Cont. - Lower		446938-37	36 ⁵ / ₁₆	130-B81
	W/Spd. Cont. - Upper		446939-54	55 ³ / ₃₂	130-B81
1970 & 1969	W/O Spd. Cont.		446772-68	63 ¹⁹ / ₃₂	130-B81
	W/Spd. Cont. - Upper		446938-37	36 ⁵ / ₁₆	130-B81
	W/Spd. Cont. - Lower		446874-58	55 ³ / ₁₆	130-B81
1967	All (Exc. Fury)		446874-63	61 ³ / ₁₆	130-B81
1966	All		446874-68	64 ¹⁹ / ₆₄	130-B81
1964	All (exc. Valiant)		446874-68	68	130-B81
SATELLITE					
1974	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
1973-1969	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
	W/Auto, W/Spd. Cont. - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	W/Auto, W/Spd. Cont. - Upper		446957-36	36 ⁹ / ₃₂	130-B81
VALIANT					
1974	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
1973-1969	All WO/Spd. Cont.		446772-68	68 ³⁵ / ₆₄	130-B81
	W/Auto, W/Spd. Cont. - Lower		446874-58	59 ⁵ / ₃₂	130-B81
	W/Auto, W/Spd. Cont. - Upper		446957-36	36 ⁹ / ₃₂	130-B81
1968	Speedometer Cable		446772-68	60 ²¹ / ₃₂	130-B81
1967	All		446874-63	61 ³ / ₁₆	130-B81
1966	All		446874-58	57 ¹⁹ / ₆₄	130-B81
1965	All		446873-61	58 ²¹ / ₆₄	130-B81
1964	All		446873-61	56	130-B81
PONTIAC					
ASTRE					
1975	All		446946-58	56 ⁷ / ₁₆	130-B81
CATALINA, GRANDVILLE, BONNEVILLE, GRAND SAFARI					
1975	W/Auto. Trans. W/O Cruise		446946-52	527 ¹ / ₁₆	130-B81
	W/Cruise - Upper		446946-44	437 ¹ / ₁₆	130-B81
	W/Cruise - Lower		446874-64	63 ¹ / ₈	130-B81
1974, 1973	W/Auto & WO/Cruise		446946-52	527 ¹ / ₁₆	130-B81
	W/Cruise - Upper		446946-44	447 ¹ / ₁₆	130-B81
	W/Cruise - Lower		446874-63	64 ⁵ / ₃₂	130-B81

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)

PONTIAC

CATALINA, GRANDVILLE, BONNEVILLE (Cont'd)

1972					
W/Auto & WO/Cruise.....	446946-52	527/16	130-B81		
W/Cruise - Upper.....	446946-40	407/16	130-B81		
W/Cruise - Lower.....	446874-53	54 ⁵ / ₃₂	130-B81		
1971					
Spd. Cont. - Upper.....	446946-40	407/16	130-B81		
Spd. Cont. - Lower.....	446874-58	55 ¹ / ₈	130-B81		
Auto. Turbo Hydra Trans.....	446946-52	527/16	130-B81		
3 Spd. Synchro, Man.....	446946-52	527/16	130-B81		

FIREBIRD

1975					
6 Cyl. Synchro Trans. - Upper.....	446946-44	437/16	130-B81		
6 Cyl. Synchro Trans. L.H. Outlet.....	446946-40	387/16	130-B81		
V-8 Synchro Trans.....	446946-70	677/16	130-B81		
V-8 W/CBC Trans.....	446946-64	617/16	130-B81		
6 Cyl. W/CBC Trans. & 8 Cyl. W/THM.....	446946-70	657/16	130-B81		
1974					
Std. Trans, 6 Cyl.....	446946-44	447/16	130-B81		
Auto Trans, 8 Cyl. CBC.....	446946-64	647/16	130-B81		
V8 Synchro Trans.....	446946-70	707/16	130-B81		
6 Cyl. CBC & V8 Hydramatic.....	446946-70	707/16	130-B81		
Synchro Trans. L.H. Out.et 6 Cyl.....	446946-40	407/16	130-B81		
1973					
W/Cruise - Lower.....	446874-63	64 ⁵ / ₃₂	130-B81		
W/Auto Trans, 6 Cyl. CBC, 8 Cyl THM.....	446946-70	707/16	130-B81		
W/Auto Trans. 8 Cyl. CBC.....	446946-64	647/16	130-B81		
W/Muncie 4 Spd. M 20 Trans.....	446946-70	707/16	130-B81		
W/Synchro 6 Cyl. - Upper.....	446946-44	447/16	130-B81		
1972					
Synchro L.H.D. & HD Trans					
2 Piece Cable.....	446946-40	407/16	130-B81		
Synchro 3 & 4 Spd. H.D. Trans. V8.....	446946-70	707/16	130-B81		
3 Spd. Synchro Trans. 6 Cyl. or P.G. (6 Cyl.).....	446946-84	847/16	130-B114		
4 Spd. Synchro Trans. V8.....	446946-44	447/16	130-B81		
P.G. or CBC Auto Trans. V8.....	446946-64	647/16	130-B81		
CBC or THM Auto Trans. 6 Cyl.....	446946-70	707/16	130-B81		
1971					
Powerglide V8 Auto. or CBC V8 Auto.....	446946-64	647/16	130-B81		
Powerglide 6 Cyl. Auto. or Synchro					
6 Cyl. I. Man.....	446946-84	847/16	130-B114		
3 & 4 Spd. H.D. Man. floor or CBC					
6 Cyl. Auto.....	446946-70	687/16	130-B81		
1970					
Flex Shaft - Lower.....		22 ¹¹ / ₁₆	130-B81		
3 & 4 Spd. H.D.....	446946-70	657/16	130-B81		
Man. or Auto. Trans.....	446946-64	617/16	130-B81		
1969					
V-8, Auto.....	446946-58	477/16	130-B81		
V-8, 3 Spd. Man.....	446946-58	577/16	130-B81		
V-8, 4 Spd. Man.....	446946-58	587/16	130-B81		
6 Cyl. 3 & 4 Spd. Upper.....	446946-36	337/16	130-B81		
6 Cyl. 3 & 4 Spd. Lower.....		14 ¹¹ / ₁₆	130-B81		
Convertible - Sag. 3 & 4 Spd. - Upper.....	446946-44	437/16	130-B81		
Spd. Cont. - Upper.....	446946-31	317/16	130-B81		
Spd. Cont. - Lower.....	446874-58	55 ¹ / ₈	130-B81		
Grand Prix - Upper.....	446946-40	407/16	130-B81		
Grand Prix - Lower.....	446874-58	55 ¹ / ₈	130-B81		

ESPRIT, FORMULA, TRANS. AM

1974					
Std. Trans. 6 Cyl.....	446946-44	447/16	130-B81		
Auto Trans. 8 Cyl. CBC.....	446946-64	647/16	130-B81		
V8 Synchro Trans.....	446946-70	707/16	130-B81		
6 Cyl. CBC & V8 Hydramatic.....	446946-70	707/16	130-B81		
Synchro Trans. L.H. Outlet 6 Cyl.....	446946-40	407/16	130-B81		
1973 (Esprit, Trans Am)					
W/Cruise - Lower.....	446874-63	64 ⁵ / ₃₂	130-B81		
W/Auto Trans, 6 Cyl, CBC, 8 Cyl. THM.....	446946-70	707/16	130-B81		
W/Auto Trans. 8 Cyl. CBC.....	446946-64	647/16	130-B81		
W/Muncie 4 Spd. M20 Trans.....	446946-70	707/16	130-B81		
W/Synchro 6 Cyl. - Upper.....	446946-44	447/16	130-B81		

PONTIAC

GRAND AM

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)
1975					
W/O Cruise: W/Synchro Trans.....	446946-76	757/16	130-B81		
W/Synchro - Upper H.D.....	446946-52	467/16	130-B81		
W/Cruise & Synchro Trans. - Upper.....	446946-64	607/16	130-B81		
Lower.....	446874-63	63 ¹ / ₈	130-B81		
1974					
WO/Cruise - Synchro Trans.....	446946-76	767/16	130-B81		
Synchro - Upper H.D.....	446946-52	527/16	130-B81		
W/Cruise - Upper.....	446946-64	647/16	130-B81		
W/Cruise - Lower.....	446874-63	64 ⁵ / ₃₂	130-B81		
1973					
WO/Cruise Cont.: W/6 Cyl. Auto THM, CBC PG or 3 Spd. Synchro.....	446946-64	647/16	130-B81		
W/3 Spd. H.D. or 4 Spc. Synchro.....	446946-76	767/16	130-B81		
W/Cruise - Lower.....	446946-63	637/16	130-B81		
W/Cruise Cont. & 4 Spd. Synchro H.D. - Upper.....	446946-52	527/16	130-B81		

GRAND PRIX

1975					
W/Cruise & Synchro Trans. - Upper.....	446946-64	607/16	130-B81		
W/Cruise & Synchro Trans. - Lower.....	446874-64	63 ¹ / ₈	130-B81		
1974					
WO/Cruise - Synchro Trans.....	446946-76	767/16	130-B81		
Synchro - Upper H.D.....	446946-52	527/16	130-B81		
W/Cruise - Upper.....	446946-64	647/16	130-B81		
W/Cruise - Lower.....	446874-63	64 ⁵ / ₃₂	130-B81		
1973					
WO/Cruise Cont.: W/6 Cyl. Auto THM, CBC PG or 3 Spd.....	446946-64	647/16	130-B81		
W/3 Spd. HD or 4 Spd. Synchro.....	446946-76	767/16	130-B81		
W/Cruise - Lower.....	446874-63	64 ⁵ / ₃₂	130-B81		
W/Cruise Cont. & 4 Spd. Synchro HD - Upper.....	446946-52	527/16	130-B81		
1972					
W/THM Auto W/Spd. Adapter & Cruise Cont. - Lower.....	446874-48	49 ⁵ / ₃₂	130-B81		
WO/Cruise Cont. V8 Auto Trans.....					
THM, CBC, & P.G.....	446946-64	647/16	130-B81		
W/Auto Trans, W/Spd. Adapter & Cruise Cont. - Upper.....	446946-36	367/16	130-B81		
W/V8 Synchro. 3 Spd. HD & 4 Spd. Synchro Trans.....	446946-76	767/16	130-B81		
1971					
Spd. Cont. - Upper.....	446946-36	367/16	130-B81		
Spd. Cont. - Lower.....	446874-48	49 ¹ / ₈	130-B81		
4 Spd. - Upper.....	446946-44	447/16	130-B81		
4 Spd. - Lower.....		14 ¹¹ / ₁₆	130-B81		
Auto. Turbo Hydra W/O Spd. Cont. or 3 Spd. Synchro Man.....	446946-64	607/16	130-B81		
1970					
Spd. Cont. - Upper.....	446946-40	407/16	130-B81		
Adaptor Shaft - Lower.....		14 ¹¹ / ₁₆	130-B81		
3 & 4 Spd. Upper.....	446946-40	377/16	130-B81		
3 Spd. Sag. Man.....	446946-76	757/16	130-B81		

GTO

1974					
W/Auto Trans.....	446946-64	647/16	130-B81		
3 Spd. Synchro - Upper.....	446946-44	447/16	130-B81		
1973					
WO/Cruise Cont.: W/6 Cyl Auto THM, CBC, PG or 3 Spd. Synchro.....	446946-64	647/16	130-B81		
W/3 Spd. HD or 4 Spd. Synchro.....	446946-76	767/16	130-B81		
W/Cruise - Lower.....	446874-63	64 ⁵ / ₃₂	130-B81		
W/Cruise Cont. & 4 Spd. Synchro HD - Lower.....	446946-52	527/16	130-B81		
1972					
3 Spd. HD Trans. - Upper.....	446946-84	847/16	130-B81		
4 Spd. Synchro Trans. L.H. Outlet - Upper.....	446946-44	447/16	130-B81		
W/Cruise - Upper.....	446946-36	367/16	130-B81		
W/Cruise - Lower.....	446874-48	49 ⁵ / ₃₂	130-B81		
W/3 Spd. HD or 4 Spd. Synchro.....	446946-76	767/16	130-B81		
W/6 Cyl. Auto, THM, CBC, PG or 3 Spd. Synchro.....	446946-64	647/16	130-B81		

FLEXIBLE SHAFTS

PONTIAC, WILLYS

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	UNIVERSAL CORE			MAKE	MODEL	YEAR	UNIVERSAL CORE			
			COMPLETE SHAFT NUMBER (A)	LENGTH TIP TO (B)	PART NO. (C)				COMPLETE SHAFT NUMBER (A)	LENGTH TIP TO (B)	PART NO. (C)	
PONTIAC						PONTIAC						
GTO (Cont'd)						PONTIAC (Regular Car) (Cont'd)						
1971	Spd. Cont. - Upper.....		446946-36	367/16	130-B81	1965	W/3 Spd. Synchro		446874-68	63 1/8	130-B81	
	Spd. Cont. - Lower.....		446874-48	49 1/8	130-B81		W/4 Spd. Synchro		446874-73	73 1/8	130-B81	
	Auto., exc. Spd. Cont., or 3 Spd. Synchro		446946-64	607/16	130-B81		W/Hydrumatic		446874-68	65 1/8	130-B81	
	3 & 4 Spd. H.D. Synchro		446946-76	767/16	130-B81		W/Electro. Cruise		446874-68	65 1/8	130-B81	
	4 Spd. Upper.....		446946-44	447/16	130-B81	1964	W/4 Spd. Trans.		446874-73	72 1/8	130-B81	
	4 Spd. Lower.....		-	14 11/16	130-B81		W/4 Spd. Trans.		446874-68	64 5/8	130-B81	
							W/Hydra. & 41:12 Axle		446874-73	70 1/8	130-B81	
							W/3 Spd. Trans.		446874-63	60 1/8	130-B81	
							W/Hydra.		446874-73	73 1/8	130-B81	
LE MANS, LUXURY, SAFARI, SPORT COUPE						TEMPEST						
1975	W/O Cruise: W/Synchro Trans.		446946-76	757/16	130-B81	1971	Spd. Cont. - Upper.....		446946-36	367/16	130-B81	
	W/Synchro - Upper H.D.		446946-52	467/16	130-B81		Spd. Cont. - Lower.....		446874-48	49 1/8	130-B81	
	W/Cruise & Synchro Trans. - Upper.....		446946-64	607/16	130-B81		Auto., exc. Spd. Cont., or 3 Spd. Synchro		446946-64	607/16	130-B81	
	Lower.....		446874-63	63 1/8	130-B81		3 & 4 Spd. H.D. Synchro		446946-76	767/16	130-B81	
							4 Spd. Upper.....		446946-44	447/16	130-B81	
							4 Spd. Lower.....		-	14 11/16	130-B81	
LEMANS, GT, LUXURY						1970						
1974	W/O/Cruise - Synchro Trans.		446946-76	767/16	130-B81		3 Spd. Saginaw.....		446946-76	757/16	130-B81	
	Synchro - Upper H.D.		446946-52	527/16	130-B81		3 Spd. Auto. or Man.		446946-58	577/16	130-B81	
	W/Cruise - Upper.....		446946-64	647/16	130-B81		4 Spd. Man. W/Adapter		446945-46	337/16	130-B81	
	W/Cruise - Lower.....		446874-63	64 5/32	130-B81		Convertible, 3 & 4 Spd. Sag. - Upper.....		446946-44	437/16	130-B81	
1973 (LeMans)	W/O/Cruise Cont.: W/6 Cyl. Auto THM, CBC, PG or 3 Spd.		446946-64	647/16	130-B81		Spd. Cont. - Lower.....		446874-48	49 1/8	130-B81	
	W/3 Spd. HD or 4 Spd. Synchro		446946-76	767/16	130-B81		14 11/16		446946-84	687/16	130-B81	
	W/Cruise Lower.....		446874-63	64 5/32	130-B81		3 Spd. H.D.		446946-58	577/16	130-B81	
	W/Cruise Cont & 4 Spd. Synchro HD - Upper.....		446946-52	527/16	130-B81		Perf. Circle Vacuum - Upper.....		446946-31	317/16	130-B81	
							Perf. Circle Vacuum - Lower.....		446864-48	49 1/8	130-B81	
1972	3 Spd. H.D. Trans. - Upper.....		446946-84	847/16	130-B114	1968	All (exc. H.D. Trans., SM-3 & Cruise Control)		446874-58	55 1/8	130-B81	
	4 Spd. Synchro Trans.		446946-44	447/16	130-B81		W/Lower Cruise Cont.		446874-48	49 1/8	130-B81	
	L.H. Outlet - Upper.....		446946-36	367/16	130-B81		W/3 Spd. H.D. Trans.		446874-68	67 1/8	130-B81	
	W/Cruise - Upper.....		446874-48	49 5/32	130-B81		W/Lower Cruise Cont.		-	49 1/8	-	
	W/Cruise - Lower.....		446946-76	767/16	130-B81	1967	W/3 Spd. H.D. Trans. or 315 Hydra. Trans.		446874-68	65 1/8	130-B81	
	W/3 Spd. H.D. or 4 Spd. Synchro		446946-64	647/16	130-B81		W/Lower Cruise Master		446874-48	49 1/8	130-B81	
	W/6 Cyl. Auto, THM, CBC PG or 3 Spd. Synchro		446946-64	647/16	130-B81		All W/Braided Casing.....		446874-58	53 1/8	130-B81	
1971	Spd. Cont. - Upper.....		446946-36	367/16	130-B81	1966	All (exc. 315 Hydra. & Cruise Cont.)		446874-58	53 1/8	130-B81	
	Spd. Cont. - Lower.....		446874-48	49 1/8	130-B81		W/315 Hydra.		446874-68	65 1/8	130-B81	
	Auto., exc. Spd. Cont., or 3 Spd. Synchro		446946-64	607/16	130-B81		1965	W/3 Spd. Synchro		446874-48	46 1/8	130-B81
	3 & 4 Spd. H.D. Synchro		446946-76	767/16	130-B81		W/Auto. & 4 Spd. Synchro		446874-58	54 1/8	130-B81	
	4 Spd. Upper.....		446946-44	447/16	130-B81		W/3 Spd. Hydra. Trans.		446874-68	67 1/8	130-B81	
	4 Spd. Lower.....		-	14 11/16	130-B81	1964	W/3 Spd. Trans.		446874-48	46 1/8	130-B81	
							W/Auto. & 4 Spd. Trans.		446874-58	54 1/8	130-B81	
PONTIAC (Regular Car)						VENTURA, SPRINT						
1970	Spd. Cont. - Upper.....		446946-31	317/16	130-B81	1975	W/Auto. Trans.		446946-76	727/16	130-B81	
	Spd. Cont. - Lower.....		446874-58	55 1/8	130-B81		W/2 pc. Shaft - Upper.....		C946946-44	437/16	130-B81	
	W/O Spd. Cont. - Auto.....		446946-52	527/16	130-B81	1974	W/Auto Trans.		446946-64	647/16	130-B81	
	4 Spd. Man. W/Adapter		446946-36	337/16	130-B81		3 Spd. Synchro - Upper.....		446946-44	447/16	130-B81	
	3 Spd. Man.		446946-52	497/16	130-B81	1973 (Ventura)	W/Auto Trans.		446946-64	647/16	130-B81	
1969	All Auto.....		446946-52	527/16	130-B81		W/4 Spd. Muncie.....		446946-58	587/16	130-B81	
	3 Spd. Man.		446946-52	497/16	130-B81		W/Sag 3 & 4 Spd. Conv. - Upper.....		446946-44	447/16	130-B81	
	Perf. Circle Vacuum - Upper.....		446945-31	317/16	130-B81		W/Sag 3 & 4 Spd. - Upper.....		446946-40	407/16	130-B81	
	Perf. Circle Vacuum - Lower.....		446874-58	55 1/8	130-B81	WILLYS						
1968	W/Upper Cruise Cont. (P.C.V.)		-	26 1/8	-	100-200-300 SERIES						
	W/Upper Cruise Cont. (AC-C.M.)		-	32 1/8	-	1966-1963	3-4 Spd. Trans., 2 Wheel Drive.....		-	80 1/2	130-B81	
	W/Lower Cruise Cont.		-	55 1/8	-		Auto. Trans., 2 Wheel Drive		446874-85	84	130-B114	
	W/3 Spd. Trans.		446874-48	46 1/8	130-B81		O.D., 2 Wheel Drive.....		-	64 1/2	130-B81	
	W/4 Spd. Trans.		446874-73	68 1/8	130-B81		3-4 Spd. Trans., 4 Wheel Drive.....		446874-68	64 1/2	130-B81	
1967	W/315 Hydra Trans. or 315 Hydra W/Elect. Cruise		446874-68	65 1/8	130-B81		Auto. Trans., 4 Wheel Drive		446874-73	69	130-B81	
	W/4 Spd. Man. Trans.		446874-73	68 1/8	130-B81							
	W/Lower Cruise Master		446874-48	49 1/8	130-B81							
	W/3 Spd. Auto. Trans.		446874-48	46 1/8	130-B81							
1966	W/315 Hydra.....		446874-68	65 1/8	130-B81							
	W/4 Spd. Synchro.....		446874-73	73 1/8	130-B81							
	W/315 Hydra & Electro Cruise.....		446874-68	65 1/8	130-B81							
	W/3 Spd. Synchro.....		446874-68	63 1/8	130-B81							

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE		MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)					LENGTH TIP TO TIP (B)	PART NO. (C)
WILLYS						WILLYS					
WILLYS JEEP						WILLYS JEEP (Cont'd)					
1966-1962						1961 & 1960					
475-2 x 4, 6-2262 x 4.....			446317-64	42 ³ / ₄	130-B81	CJ-3B.....			446874-58	53 ³ / ₃₂	130-B81
CJ-3B, CJ-5, CJ-6, 475-4 x 4, 475-4WD, 6-226-4 x 4, 6-226-4WD, DJ-3A, DJ-6A ...			446317-64	55 ³ / ₄	130-B81	475-224SW or SD, 6226-2 & 4.....			446317-64	62 ³ / ₄	130-B81
						CJ-3B, CJ-5, 475-4WD, 6226-4WD.....			446874-63	61 ³ / ₃₂	130-B81
						CJ-5, CJ-6.....			446874-68	66 ³ / ₃₂	130-B81
						CJ-38-5-6.....			446874-63	61 ¹ / ₃₂	130-B81
						FR-134, 4 x 4 Utility, 6-226(4WD) 4 x 4 Utility.....			446874-63	61 ¹ / ₃₂	130-B81
						FC-150, FC-170.....				137 ¹ / ₂	

LIGHT DUTY TRUCKS & VANS

CHEVROLET						CHEVROLET					
LIGHT DUTY TRUCKS & VANS						LIGHT DUTY TRUCKS & VANS (Cont'd)					
1975						1966-55					
C-1, 2 & Blazer W/3 Spd. Trans.			446946-70	68	130-B81	All Models W/Lengths			446874-58	59 ⁵ / ₃₂	130-B81
C-1, 2, 3 & Blazer W/4 Spd. Trans. & W/2 pc. Shaft Asm. - Upper			446946-40	40	130-B81				446874-63	64 ⁵ / ₃₂	130-B81
C-1, 2, 3 W/Spd. Cont. - Upper.....			446946-31	32	130-B81	4 Speed Transmission			446874-78	80 ⁵ / ₃₂	130-B81
C-1, 2, 3 Cab Blazer W/T.H.M. Trans. & W/O Spd. Cont.			446946-70	68	130-B81	1969-55					
C-1, 2 Suburban W/T.H.M. Trans. & W/O Spd. Cont.			446946-70	68	130-B81	All Models & Series W/Lengths.....			446874-85	59 ⁵ / ₃₂	130-B81
CK-1, 2 & Blazer W/4 Spd. Trans. & W/2 pc. Shaft Asm. - Upper			446946-40	40	130-B81				446874-63	64 ⁵ / ₃₂	130-B81
CK-1, 2, 3 W/T.H.M. & W/Cruise - Upper.....			446946-31	32	130-B81				446874-68	69 ⁵ / ₃₂	130-B81
G-1, 2, 3 W/T.H.M. Trans., 6 Cyl. & W/Spd. Cont. - Upper.....			446946-76	76	130-B81				446874-79	80 ⁵ / ₃₂	130-B81
K-1, 2 & Blazer W/6 Cyl. & 3 Spd. Trans. & W/2 pc. Shaft - Upper			446946-40	40	130-B81						
K-1, 2, 3 W/T.H.M. Trans. W/Spd. Cont. - Upper.....			446946-31	32	130-B81						
Lower.....			446874-58	60	130-B81						
1974						DODGE					
C-1,2,3 & Blazer W/THM or 3 & 4 Spd. Trans.			446946-70	70 ⁷ / ₁₆	130-B81	LIGHT DUTY TRUCKS & VANS					
W/4 Spd. Trans.....			446946-64	64 ⁷ / ₁₆	130-B81	1974-72					
K-1,2, & Blazer, 6 Cyl. W/THM or 3 & 4 Spd. Trans.			446946-76	76 ⁷ / ₁₆	130-B81	D-100 thru D-300.....			446772-63	63 ³⁵ / ₆₄	130-B81
Blazer (K), W/8 Cyl. & W/THM			446946-84	85 ⁵ / ₃₂	130-B114	1971-69					
G-1,2,3 (350).....			446874-53	54 ⁵ / ₃₂	130-B81	D-100 thru D-300.....			446874-63	64 ⁵ / ₃₂	130-B81
1973						1968-63					
C Model W/Cruise - Upper.....			446946-44	44 ⁷ / ₁₆	130-B81	D-100 thru D-700.....			446874-73	74 ⁵ / ₃₂	130-B81
C Model W/Cruise - Lower.....			446874-58	59 ⁵ / ₃₂	130-B81	1962-59					
C-1,2,3 & Blazer W/THM & 3 Spd. Trans.			446946-70	70 ⁷ / ₁₆	130-B81	D-100 thru D-600.....			446874-68	69 ⁵ / ₃₂	130-B81
W/4 Spd. Trans.....			446946-64	64 ⁷ / ₁₆	130-B81	D-700.....			446874-68	69 ⁵ / ₃₂	130-B81
G-1,2,3 W/350.....			446874-53	54 ⁵ / ₃₂	130-B81	1958					
K-1,2 & Blazer, W/6 Cyl. & W/THM or 3 & 4 Spd. Trans.....			446946-76	76 ⁷ / ₁₆	130-B81	D-100 thru D-800, T700, T-800.....			446874-68	69 ⁵ / ₃₂	130-B81
Blazer (K), W/8 Cyl. & W/THM			446946-84	85 ⁵ / ₃₂	130-B114						
1972-55						FORD					
Listed by Transmission only. Check under specific transmission Turbo- Hydramatic Transmission						LIGHT DUTY TRUCKS & VANS					
1972-1966						1974					
All Models & Series W/Lengths.....			446874-58	59 ⁵ / ₃₂	130-B81	F100-350 (81), W/3 Spd. Man. Trans.....			446940-70	71 ⁵⁵ / ₆₄	130-B81
W/Lengths.....			446874-63	64 ⁵ / ₃₂	130-B81	F100-250, W/3 Spd. Auto Trans. (C4).....			446940-70	71 ⁵⁵ / ₆₄	130-B81
1972-65						F100-350 (81), W/3 Spd. Auto Trans. (C6).....			446940-70	71 ⁵⁵ / ₆₄	130-B81
All Models & Series W/Lengths.....			446874-68	69 ⁵ / ₃₂	130-B81	F100-350 (81), W/2 WD & W/4 Spd, NP Trans.....			446940-70	71 ⁵⁵ / ₆₄	130-B81
3 Speed Transmission						F100, W/4 WD & W/4 Spd. NP Trans.....			446940-70	71 ⁵⁵ / ₆₄	130-B81
						F100-350 (81), W/Warner 4 Spd.....			446940-70	71 ⁵⁵ / ₆₄	130-B81
						Bronco.....			446872-66	68 ⁵³ / ₆₄	130-B81
1972						1973					
F-100 6 Cyl. Exc. Spd. Sensor, 3 Spd. L.D.						F-100-350 (81), W/2 W.D & W/3 Spd. Man. Trans.....			446940-70	71 ⁵⁵ / ₆₄	130-B81
F-100 Exc. Spd. Sensor, 3 Spd. M.D.						F100-350 (81), W/2 W.D. & W/3 Spd. Auto Trans. (C4).....			446940-70	71 ⁵⁵ / ₆₄	130-B81

FLEXIBLE SHAFTS

LIGHT TRUCKS & VANS

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE		MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)					LENGTH TIP TO TIP (B)	PART NO. (C)
FORD						GMC TRUCKS					
LIGHT DUTY TRUCKS & VANS (Cont'd)						LIGHT DUTY TRUCKS & VANS					
1972 (Cont'd)						C MODELS					
F-100 Exc. Spd. Sensor (Exc. 8 Cyl. 390 for Calif.) 4 Spd. N.P. & 4 Spd. Warner						1975					
F-250 from Ser. J-70,001						C-15, 25, 35 & Jimmy W/3 Spd. & T.H.M. Trans. 446946-70 68 130-B81					
3 Spd. L.D., M.D., 4 Spd. N.P. & Warner 446943-64 66 ⁴⁵ / ₆₄ 130-B81						C-15, 25 Suburban W/T.H.M. Trans. 446946-70 68 130-B81					
Bronco 446943-72 74 ⁴⁵ / ₆₄ 130-B81						1974					
1971						C-15, 25, 35 & Jimmy					
F-100/250 Exc. Spd. Sensor before Ser. J-70,001						W/THM & 3 Spd. Trans. 446946-70 70 ⁷ / ₁₆ 130-B81					
3 Spd. L.D. & M.D. Trans.						W/4 Spd. Trans. 446496-64 64 ⁷ / ₁₆ 130-B81					
F-100/350 before Ser. J-70,001						1973					
4 Spd. N.P. & Warner Trans.						C-15, 25, 35 & Jimmy					
F-100 6 Cyl. 240 C.I.D. Exc Spd. Sensor (Exc. State of Calif.) from Ser. J-70,001						W/THM & 3 Spd. Trans. 446946-70 70 ⁷ / ₁₆ 130-B81					
3 Spd. L.D. & M.D. Trans.						W/4 Spd. Trans. 446946-64 64 ⁷ / ₁₆ 130-B81					
F-100 6 Cyl. 300 C.I.D. or 8 Cyl. from ser. J-70,001						1972, 1971					
4 Spd. N.P. Trans.						C-15, 25, 35					
F-250 from Ser J-70,001						W/3 & 4 Spd., H.D. & Auto Trans. 446874-58 59 ⁵ / ₃₂ 130-B81					
3 Spd. L.D., M.D. & 4 Spd. N.P. Trans. 446943-64 66 ⁴⁵ / ₆₄ 130-B81						1970					
F-100/250 Exc. Spd. Sensor, before 70,001, 3 Spd. C4 Trans. 446943-72 74 ⁴⁵ / ₆₄ 130-B81						C-15, 25, 35					
F-100 6 Cyl. 300 & 8 Cyl. from Ser. J-70,001 3 Spd. Warner & C4, C6 Ford Trans						W/3 & 4 Spd. H.D. & Auto 446874-58 59 ⁵ / ₃₂ 130-B81					
F-250 6 Cyl. from Ser J-70,001 3 Spd. C4 Trans.						C-15,25,35 6 Cyl. 446874-68 69 ⁵ / ₃₂ 130-B81					
F-100 4 W.D. 3 Spd. C4 Trans. 446943-74 74 ⁴⁵ / ₆₄ 130-B81						C-15, W/4 Spd. Optional 446874-73 74 ⁵ / ₃₂ 130-B81					
Bronco 446943-72 74 ⁴⁵ / ₆₄ 130-B81						1969, 1968, 1967					
1970						C-15, 25, 35 W/3 & 4 Spd. HD & Auto Trans. 446874-58 59 ⁵ / ₃₂ 130-B81					
F-100/250 Exc. Spd. Sensor before Ser. J-70,001 3 Spd. L.D. & M.D. Trans.						CK MODELS					
F-100/350 before Ser J-70,001 4 Spd. N.P. & Warner Trans. 446943-64 66 ⁴⁵ / ₆₄ 130-B81						1975					
F-100/250 8 Cyl. 360, 390 C.I.D. 3 Spd. C6 Trans. 446874-79 80 ⁵ / ₃₂ 130-B81						CK-15, 25, 35 & Jimmy W/4 Spd. Trans. & 2 pc. Shaft Asm. - Upper 446946-40 40 130-B81					
F-100/250 Exc. Spd. Sensor before Ser. J-70,001 3 Spd. C4 Trans.						CK-15, 25, 35 W/T.H.M. & Cruise - Upper 446946-31 32 130-B81					
F-100/350 360,390 C.I.D. from L-00,001; 3 Spd. C4 Trans.						G MODELS					
F-100 4 W.D. 3 Spd. C4 & M.D. Trans. 446943-72 74 ⁴⁵ / ₆₄ 130-B81						1975					
Bronco 446943-72 74 ⁴⁵ / ₆₄ 130-B81						G-15, 25, 35 W/T.H.M. & Cruise - Upper 446946-76 76 130-B81					
1969						Lower 446874-53 52 130-B81					
F-100 4 W.D. 4 Spd. N.P. Trans. 3 Spd. O.D. Warner 446943-72 74 ⁴⁵ / ₆₄ 130-B81						1974					
F-100/250 3 Spd. L.D. & M.D. Trans. 446943-64 66 ⁴⁵ / ₆₄ 130-B81						G-15, 25, 35 (350) 446874-53 52 130-B81					
F-100/350 4 Spd. N.P. & Warner Trans. 446943-64 66 ⁴⁵ / ₆₄ 130-B81						K MODELS					
F-100/250 3 Spd. C4 Trans. 446943-72 74 ⁴⁵ / ₆₄ 130-B81						1975					
F-100/350 3 Spd. C6 Trans. 446874-79 80 ⁵ / ₃₂ 130-B81						K-15, 25 & Jimmy W/3 Spd. - W/6 Cyl. 446946-76 76 130-B81					
Bronco 446943-72 74 ⁴⁵ / ₆₄ 130-B81						W/8 Cyl. 446946-84 84 130-B81					
1968						K-15 Cab & Jimmy (250), K-25 Cab (292), All W/T.H.M. 446946-76 76 130-B81					
F-100 4 WD 4 Spd. N.P. Trans, 3 Spd. O.D. Warner & C4 Trans.						Jimmy W/T.H.M. & W/8 Cyl. 446946-76 84 130-B81					
F-250 3 Spd. C4 Trans. 446943-72 74 ⁴⁵ / ₆₄ 130-B81						K-15, 25 W/O Cruise 446946-76 84 130-B81					
100/250 3 Spd. L.D., M.D. Trans. 446943-64 66 ⁴⁵ / ₆₄ 130-B81						K W/Cruise - Upper 446946-31 32 130-B81					
F-100/350 4 Spd. N.P. & Warner Trans. 446943-64 66 ⁴⁵ / ₆₄ 130-B81						Lower 446874-58 76 130-B81					
F-100/350 3 Spd. C6 Trans. 446874-79 80 ⁵ / ₃₂ 130-B81						1974					
Bronco 446943-72 74 ⁴⁵ / ₆₄ 130-B81						K-15, 25 & Jimmy 6 Cyl. W/T.H.M. 3 & 4 Spd. Trans. 446946-76 76 130-B81					
1967						K (Jimmy) 8 Cyl. W/T.H.M. Trans. 446946-84 84 130-B81					
F-100/350 3 Spd. L.D., M.D. & 4 Spd. N.P. Warner Trans. 446943-64 66 ⁴⁵ / ₆₄ 130-B81						1973					
F-100/250 3 Spd. O.D.						K-15, 25 & Jimmy W/T.H.M. 3 & 4 Spd. Trans. 446946-76 76 130-B81					
F-100 4 W.D. 4 Spd. N.P. Trans						K (Jimmy) 8 Cyl. W/T.H.M. Trans. 446946-84 84 130-B81					
F-100/350 3 Spd. C6 Trans. 446874-79 80 ⁵ / ₃₂ 130-B81						1972					
Bronco 446874-79 80 ⁵ / ₃₂ 130-B81						KE, KM, KS, 15 & 25 446874-58 76 130-B81					
Bronco 446943-72 74 ⁴⁵ / ₆₄ 130-B81						1971					
						KE, KM, KS, 15 & 25 446874-58 76 130-B81					
						1970					
						KE, KM, KS, 15 & 25 446874-58 76 130-B81					
						1969					
						KM-15, KE & KS 15, 25, 35 446874-79 80 130-B81					
						1968					
						KE & KS 15, 25, 35, KM 15 446874-79 80 130-B81					

FLEXIBLE SHAFT AND CORE APPLICATIONS

MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE		MAKE	MODEL	YEAR	COMPLETE SHAFT NUMBER (A)	UNIVERSAL CORE	
				LENGTH TIP TO TIP (B)	PART NO. (C)					LENGTH TIP TO TIP (B)	PART NO. (C)
GMC TRUCKS						GMC TRUCKS					
P MODELS						SPRINT (Cont'd)					
1971	P-35 W/T150 Axle - Upper		446874-63	64	130-B81	1972	3 Spd. (SM-326) Trans.		446946-64	647/16	130-B81
1970	P-35 W/T150 Axle - Upper		446874-63	64	130-B81		3 Spd. (SM-327, 328) Trans & 4 Spd. Trans.		446946-84	847/16	130-B81
1969	P-35 W/T150 Axle - Upper		446874-63	64	130-B81		WO/Cruise Cont. (THM & PRF Trans)		446946-64	647/16	130-B81
1968	P-35 W/T150 Axle - Upper		446874-63	64	130-B81		W/Cruise Cont. W/THM - Lower		446874-58	59 ⁵ /32	130-B81
1967	P-35 W/T150 Axle - Upper		446874-63	64	130-B81		W/PRF - Lower		446945-64	647/16	130-B81
	P-35 W/T150 Axle - Upper		446874-63	64	130-B81		W/THM & PRF Trans - Upper		446946-44	447/16	130-B81
SPRINT							1971				
1974	W/3 Spd. Trans.		446946-64	647/16	130-B81		3 Spd. (SM-326) Trans.		446874-58	59 ⁵ /32	130-B81
1973	W/3 & 4 Spd. Trans.		446946-64	647/16	130-B81		3 Spd. (SM-327, 328) Trans & 4 Spd. Trans.		446946-84	847/16	130-B81
	W/4 Spd. & W/Close Ratio		446946-76	767/16	130-B81		WO/Cruise Cont. THM & PRF Trans.		446946-64	647/16	130-B81
							W/Cruise Cont. W/THM & PRF Trans - Upper		446946-44	447/16	130-B81
							Lower		446874-58	59 ⁵ /32	130-B81

STEWART-WARNER CORPORATION
ALEMITE AND INSTRUMENT DIVISION

SYMBOL OF

 EXCELLENCE

FLEXIBLE SHAFTS

BUYER'S GUIDE FOR PACKAGED SHAFTS

446109-60

1962-60 Studebaker
1961-60 Rambler

446109-69

1965-60 Studebaker
1963 Avanti

446317-64

1963-60 Rambler

446626-65

1965-63 Oldsmobile

446772-68

1974-69 Barracuda
1974-72 Challenger, Coronet-
Charger, Dart, Monaco,
Polara
1974-69 Chrysler-Imperial
1974 Plymouth (Reg. Car)
1974-69 Satellite, Valiant
1973-69 Belvedere, Fury
1971-67 Chrysler
1971-69 Dodge, Plymouth

446821-60

1973-72 Ambassador, Javelin
Matador

446821-68

1973-72 Javelin

446872-51

1966-65 Comet
1966-63 Fairlane
1966-65 Falcon
1966-63 Ford
1966-65 Mercury
1966 Mustang
1966-64 Rambler
1965-63 Thunderbird
1964-63 Meteor

446872-56

1972 Matador

446872-62

1973-71 Gremlin
1973-70 Hornet
1971-70 Matador, Ambassador
1970 AMX, Javelin
1966-61 Comet
1966-62 Fairlane
1966-61 Falcon
1966-61 Mercury
1966 Mustang
1966-64 Rambler
1965-60 Ford
1965-63 Studebaker
1963 Meteor

446872-66

1971 Gremlin
1971-70 Hornet, Matador
1966-65 Fairlane
1966-64 Rambler
1965-63 Studebaker

446872-72

1971-70 Hornet
1971 AMX, Javelin, Matador
1966-65 Comet
1966-65 Falcon
1966 Lincoln
1966 T-Bird

446873-61

1965-64 Dart
1965 Dodge
1965-64 Valiant

446873-67

1965-61 Chrysler
1965, 63-60 Dodge
1965, 63-61 Imperial
1965, 61-60 Plymouth

446874-20

1971-69 Mercury

446874-26

1974 Calais, DeVille, Fleetwood
1974-72 Eldorado
1972 Brougham, Calais, DeVille,
Fleetwood
1969 Riviera

446874-30

1971 Eldorado

446874-39

1974-72 Toronado
1970-69 Eldorado
1970 Matador

446874-43

1972 Ambassador

446874-48

1974-72 Calais, DeVille,
Fleetwood
1972 Brougham
1972 Grand Prix, GTO, LeMans
1971-70 Ambassador
1971 Brougham, Calais, DeVille,
Fleetwood
1971 LeMans, Tempest, GTO,
Grand Prix
1971 Matador
1970-69 Tempest
1969 LeSabre, Wildcat, Electra
1966 Ford
1965 Cadillac
1965-64 Oldsmobile

446874-53

1974-73 Chevelle, Laguna,
Malibu, Monte Carlo
1974 Cutlass, Vista Cruiser,
Colonnade, Supreme
1974 Delta 88, Custom Cruiser,
98 Hard Top-Luxury-
Regency
1972 Bonneville, Catalina,
GrandVille
1972 Matador
1971 Biscayne, BelAir, Caprice,
Chevelle, Impala, Malibu,
Oldsmobile

446874-58

1974-73 Biscayne, Caprice,
Impala
1974-73 Century Regal
1974-69 Chrysler-Imperial
1974-72 Electra, Estate Wagon,
LeSabre, Riviera
1974-72 Monaco, Polara
1974 Plymouth (Reg. Car)
1973-69 Barracuda, Belvedere
1973-72 Coronet-Charger
1973 Cutlass, Colonnade,
Delta 88, Custom,
98 Luxury, Regency
1973 Dart
1973-69 Fury, Satellite, Valiant
1973-72 Special, Skylark
1972 Ambassador
1972 Cutlass, 442, Vista Cruiser,
Delta 88, 88 Custom,
88 Royale 98, 98 Luxury,
F-85
1972 Gremlin, Hornet, Javelin
1972 Monte Carlo

446874-58

1972 Sport Wagon
1971 Bonneville, Catalina,
Granville
1971 Centurion, Electra, Estate-
Wagon, LeSabre, Riviera,
Skylark, Special, Sport
Wagon
1971 Cutlass, Delta 88, F-85,
C88, R88, 98, 98 Lux.,
442, V.C.
1970 Cougar
1970 F-85
1970 Mustang
1970 Special
1970-69, 65-60 Chevrolet
1970-69, 62 Chrysler
1970-69, 66 Dodge
1970-69, 66 Plymouth
1970-69, 65, 62-60 Pontiac
1969, 64 Chevelle
1969 Firebird
1969 Lincoln
1965-62 Buick
1965, 60 Cadillac

446874-63

1974-73 Bonneville, Catalina,
GrandVille, Grand Am,
Grand Prix
1974 LeMans, GT, Luxury
1973 Ambassador
1973 Esprit, Trans Am, Firebird,
GTO, Lemans
1973-72 Gremlin, Hornet
1970 Cadillac

446874-68

1970 Electra, Estate-Wagon,
LeSabre, Wildcat
1966, 61-60 Chrysler
1966, 64-60 Dodge
1966 Imperial
1966, 64, 60 Plymouth
1966-65 Pontiac
1965-60 Cadillac
1965-60 Chevrolet
1965 Lincoln
1965-64, 62-60 Oldsmobile
1965-63 Willys

446874-73

1973 Chevelle, Laguna, Malibu,
Monte Carlo

446874-79

1974-73 Chevelle, Laguna,
Malibu, Monte Carlo
1972 Hornet
1965, 61-60 Buick
1965 Chevrolet

446874-79

1965-64 Pontiac
1965-63 Willys

446874-85

1965-63 Willys

446880-55

1963-62 Dodge

446880-75

1965, 63-62 Dodge
1965, 63-62 Plymouth

446937-65

1973 Javelin, Matador
1971 Javelin

446937-74

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