



**Power
Products**

PARTS LIST

**CSG-649
300 C.I.D.
GASOLINE ENGINE**



GENERAL INFORMATION

This Ford Industrial Engine Parts Catalog has been prepared to assist you, the owner, in identifying the correct replacement parts for your Ford Industrial Engine.

The catalog is divided into major sections which correspond to specific areas of the engine, such as cylinder block, cylinder head, crankshaft, oil pump, water pump, etc. Each of these sections is made up of illustrations followed by text for identifying detail parts.

ILLUSTRATIONS

The illustrations show typical assemblies but may not in all cases show the shape or details of parts required. However, the purpose of the illustrations is to identify parts through visual and descriptive assistance. Illustrations are located at the beginning of each section or immediately adjacent to the applicable text. Parts are identified on each illustration by reference numbers. Find the reference number of the part desired and locate it in the parts list reference column. As you will note, only the year, part name description and quantity are shown. When ordering replacement parts for your engine it will be necessary to contact your local Ford Power Products distributor whose phone number can be found on the inside cover of this parts list.

PARTS INFORMATION

Each listing contains illustrations, reference number, the effective year range, part name including description, and the quantity required to assist in identifying the correct part.

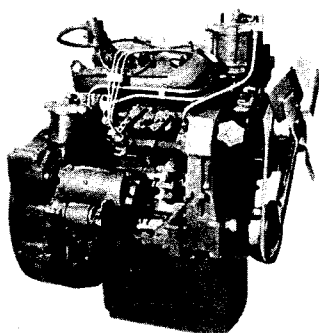
SYMBOLS IN YEAR COLUMN

- 72 Parts used commencing with initial production of engines are indicated by only the year in which production commenced.
- 72/75 Parts used for a period of years and then discontinued are indicated in the year column by a commencing and finishing year.
- 75/ Parts still used in current production are indicated by the commencing year followed by a slant (/).

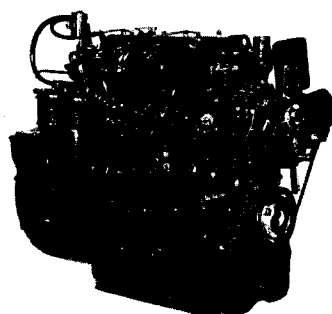
NOTE: The descriptions and specifications contained in this manual were in effect at the time the book was released for printing. Ford Motor Company reserves the right to discontinue models at any time, or change specifications or design, without notice and without incurring obligation.

New Additions to Your Wide World of Ford Power

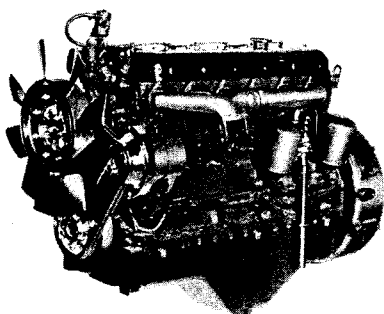
Ford wide world of power offers you these new proven performers for your engine and power unit needs. These new engines range from three to eight cylinders, V-types, in-lines, gas and diesel.



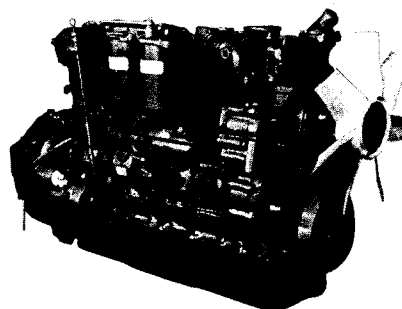
SSD-327 (Diesel)
3-Cylinder, 2.7 Litre, 168 CID



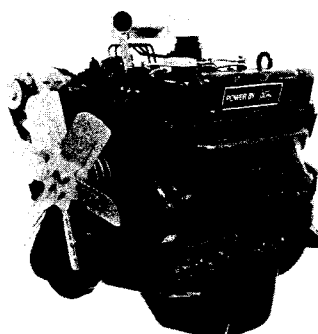
SSD-437 (Diesel)
4-Cylinder, 3.7 Litre, 224 CID



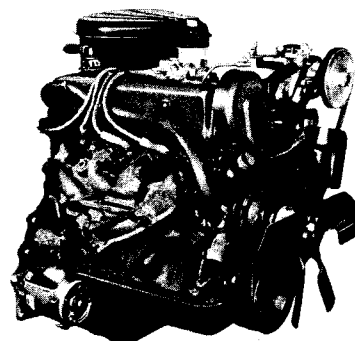
SSD-655 (Diesel)
6-Cylinder, 5.5 Litre, 335 CID



SSD-681 (Diesel)
6-Cylinder, 8.1 Litre, 495 CID



YSD-424 (Diesel)
4-Cylinder, 2.4 Litre, 144 CID

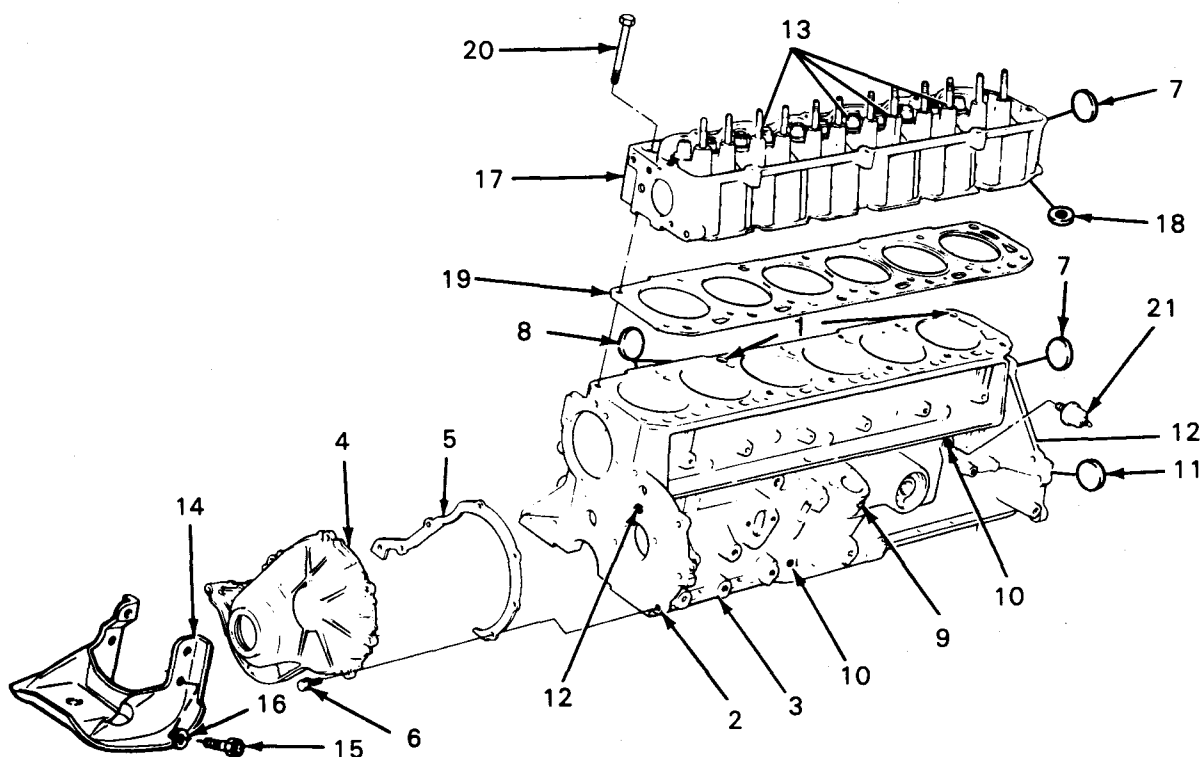


LSG-423 & LSG 633
4 & 6-Cylinder, Gasoline
2.3 Litre and 3.3 Litre

CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT
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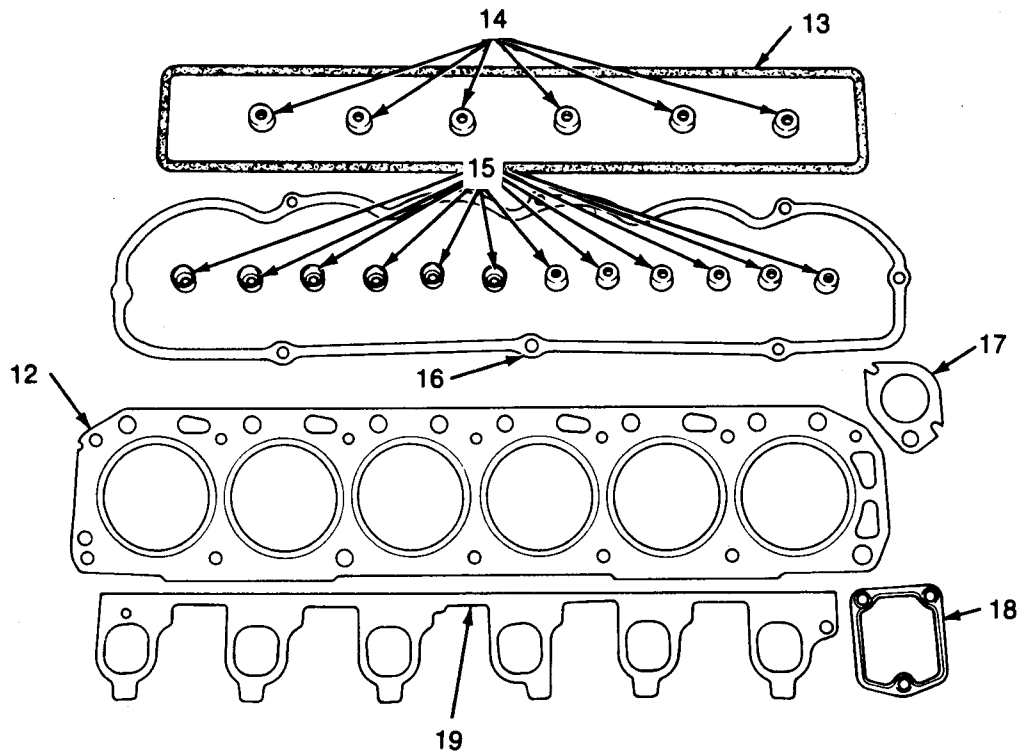
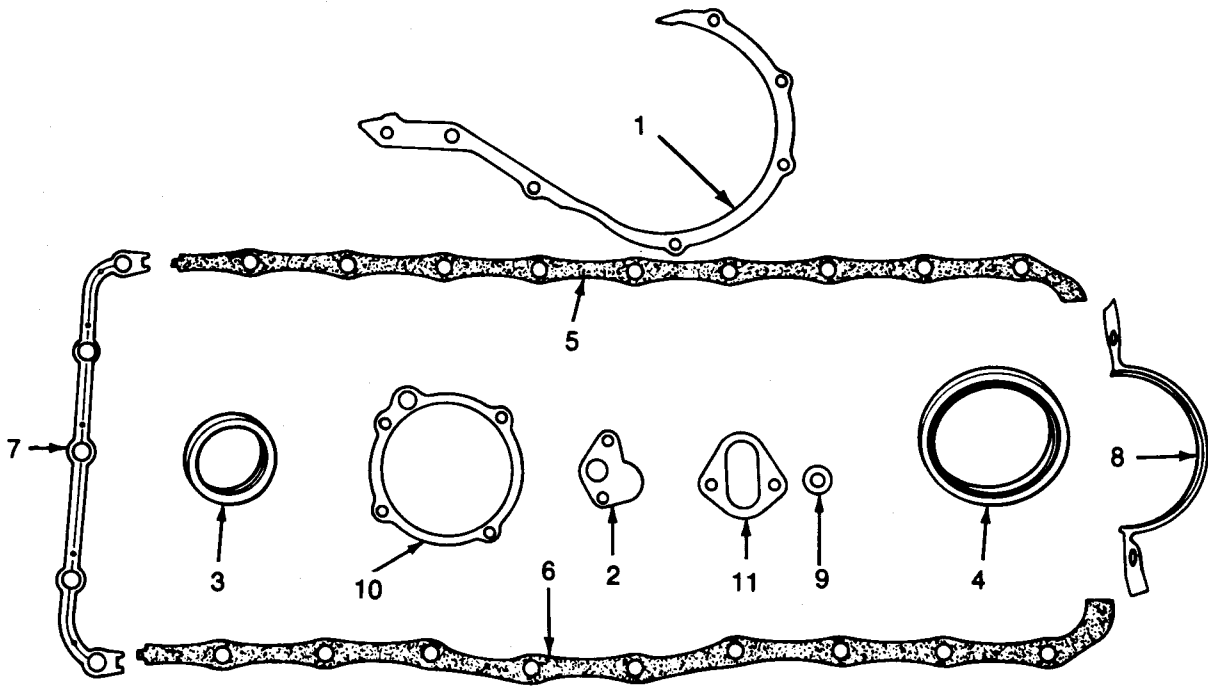
CYLINDER BLOCK, HEAD AND RELATED PARTS — TYPICAL

IE-31

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		CYLINDER BLOCK, HEAD AND RELATED PARTS	
		DOWEL - CYLINDER HEAD TO BLOCK	
1	70/	Dowel - Cylinder Head To Block - 1/2 Dia.	2
		CYLINDER ASSEMBLY	
		INCLUDES CYLINDER BLOCK WITH ALL INTERNAL PARTS OF THE ENGINE. DOES NOT INCLUDE OIL PAN, CYLINDER HEADS OR CYLINDER FRONT COVER.	
2	70/	Cylinder Assembly	1
		BLOCK ASSEMBLY - CYLINDER	
3	70/	Block	1
		COVER ASSEMBLY - CYLINDER FRONT	
4	70/	Cover Assembly	1
5	70/	Gasket - Front Cover	1
6	70/	Bolt - 5/16-18 x .88 - Cover To Block	6
		PLUG - ENGINE	
7	70/	Standard - 2.078 OD - Holes In Cylinder Head And Block	A/R
	70/	.060 Oversize	A/R
8	70/	Standard - 1.625 OD - Clean Out Holes In Block	5
	70/	.060 Oversize	A/R
9	70/	Standard - .259 OD - Distributor Oil Access Hole In Block	1
	70/	.060 O/S	A/R
10	70/	Plug - Water Jacket, Air Brake Compressor Hole In Block - 1/4 NPT	A/R
11	70/	Plug - Camshaft Rear Bearing	1
12	70/	Plug - Main Oil Gallery And Accessory Hole In Pump - 3/8 NPT. ...	3
13	70/	Plug - Core Holes In Top Of Cylinder Head - Pipe - 3/4-14	4
		SUPPORT - ENGINE FRONT	
14	70/	Support	1
15	70/	Bolt - 7/16-14 x 7/8 Locking	4
16	70/	Washer - 7/16 Flat	4
		HEAD ASSEMBLY - CYLINDER	
17	70/	Cylinder Head Less Valves	1
	70/	Cylinder Head Complete	1
	70/	Cylinder Head Complete - With Exhaust Valve Seat Inserts	1
18	70/	Valve Seat Inserts	6
19	70/	Gasket - Cylinder Head	1
20	70/	Bolt - Cylinder Head - 7/16-14 x 3-15/16	14
		SENDING UNIT - OIL PRESSURE	
21	70/	Sending Unit.	1



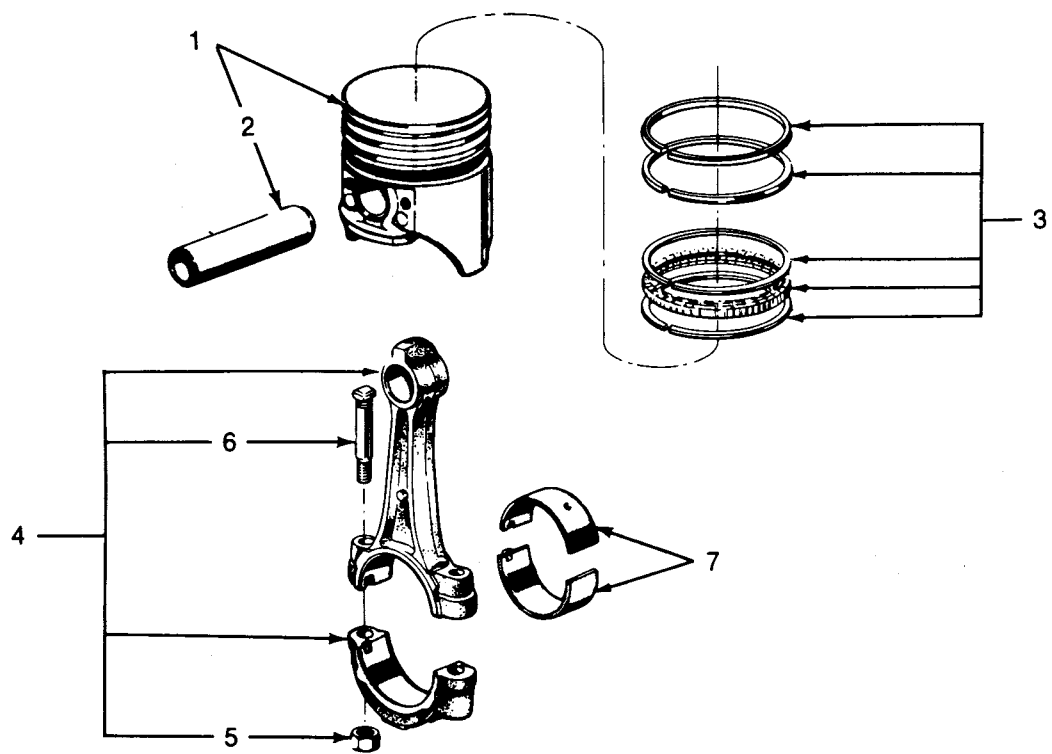
ENGINE GASKET SETS — TYPICAL

IE-32

CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		GASKET SETS - ENGINE	
		GASKET SET - LOWER	
	70/	Gasket Set.	1
		CONSISTS OF:	
1		Gasket - Front Cover	1
2		Gasket - Oil Pump Inlet	1
3		Seal - Front Cover	1
4		Packing - Crankshaft Rear	1
5		Gasket - Oil Pan - Right	1
6		Gasket - Oil Pan - Left	1
7		Seal - Oil Pan - Front	1
8		Seal - Oil Pan - Rear	1
9		Gasket - Oil Drain Plug	1
10		Gasket - Water Pump	1
11		Gasket - Fuel Pump	1
		GASKET SET - VALVE GRIND	
	70/74	Gasket Set.	1
		CONSISTS OF:	
12		Gasket - Cylinder Head	1
13		Gasket - Push Rod Cover	1
14		Grommet - Push Rod Cover Bolt	6
15		Seal - Valve Stem	12
16		Gasket - Rocker Arm Cover	1
17		Gasket - Water Connector	1
18		Gasket - Manifold	1
19		Gasket - Intake Manifold	1
		GASKET SET - VALVE GRIND	
	75/	Gasket Set.	1
		CONSISTS OF:	
12		Gasket - Cylinder Head	1
13		Gasket - Push Rod Cover	1
14		Grommet - Push Rod Cover Bolt	6
15		Seal - Valve Stem	12
		Seal - Valve Stem	6
16		Gasket - Rocker Arm Cover	1
17		Gasket - Water Connector	1
19		Gasket - Intake Manifold	1



PISTON, CONNECTING ROD AND RELATED PARTS — TYPICAL

IE-33

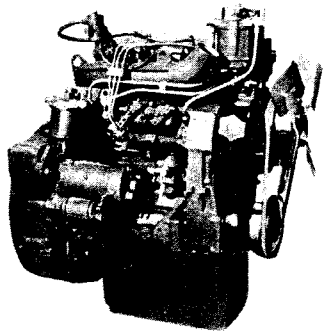
**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



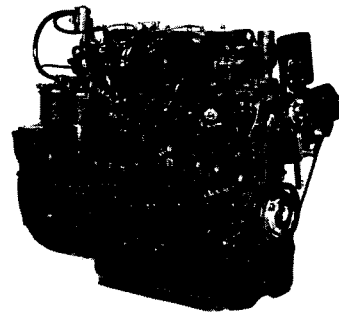
REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		PISTON, CONNECTING ROD AND RELATED PARTS	
		PISTON ASSEMBLY	
		INCLUDES FITTED PIN	
1	70/73	Piston - Standard	6
	70/73	Piston - .003 O/S	A/R
	70/73	Piston - .020 O/S	A/R
	70/73	Piston - .030 O/S	A/R
	70/73	Piston - .040 O/S	A/R
	73/	Piston - Standard	6
	73/	Piston - .003 O/S	A/R
	73/	Piston - .020 O/S	A/R
	73/	Piston - .030 O/S	A/R
	73/	Piston - .040 O/S	A/R
		PIN - PISTON	
	70/	Pin - 3.17 Long - .975 OD	6
2	70/	Pin - 3.17 Long - .001 O/S	A/R
	70/	Pin - 3.17 Long - .002 O/S	A/R
		RING SET - PISTON PARTIAL	
		CONSISTS OF NECESSARY RINGS TO RE-RING 2 PISTONS	
3	70/	Ring Set - Piston - Standard	3
	70/	Ring Set - Piston - .020 O/S	A/R
	70/	Ring Set - Piston - .030 O/S	A/R
	70/	Ring Set - Piston - .040 O/S	A/R
		CONNECTING ROD ASSEMBLIES	
4	70/	Rod Assembly - Connecting	6
5	70/	Nut - Connecting Rod - 3/8 - 24 Hex	12
6	70/	Bolt - Connecting Rod - 3/8 - 24	12
		BEARING SET - CONNECTING ROD - UPPER AND LOWER	
7	70/	Bearing - Standard	12
	70/	Bearing - .001 U/S	A/R
	70/	Bearing - .002 U/S	A/R
	70/	Bearing - .010 U/S	A/R
	70/	Bearing - .020 U/S	A/R
	70/	Bearing - .030 U/S	A/R

New Additions to Your Wide World of Ford Power

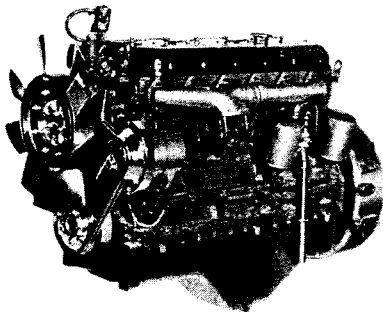
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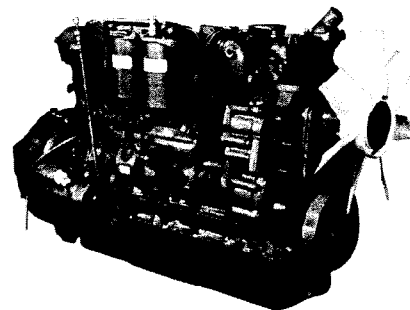
SSD-327 (Diesel)
3-Cylinder, 2.7 Litre, 168 CID



SSD-437 (Diesel)
4-Cylinder, 3.7 Litre, 224 CID



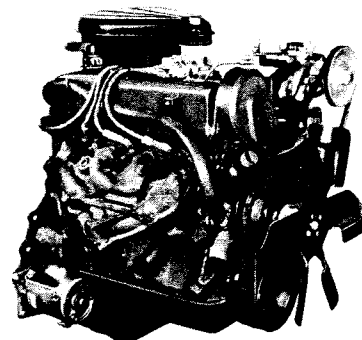
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6-Cylinder, 5.5 Litre, 335 CID



SSD-681 (Diesel)
6-Cylinder, 8.1 Litre, 495 CID

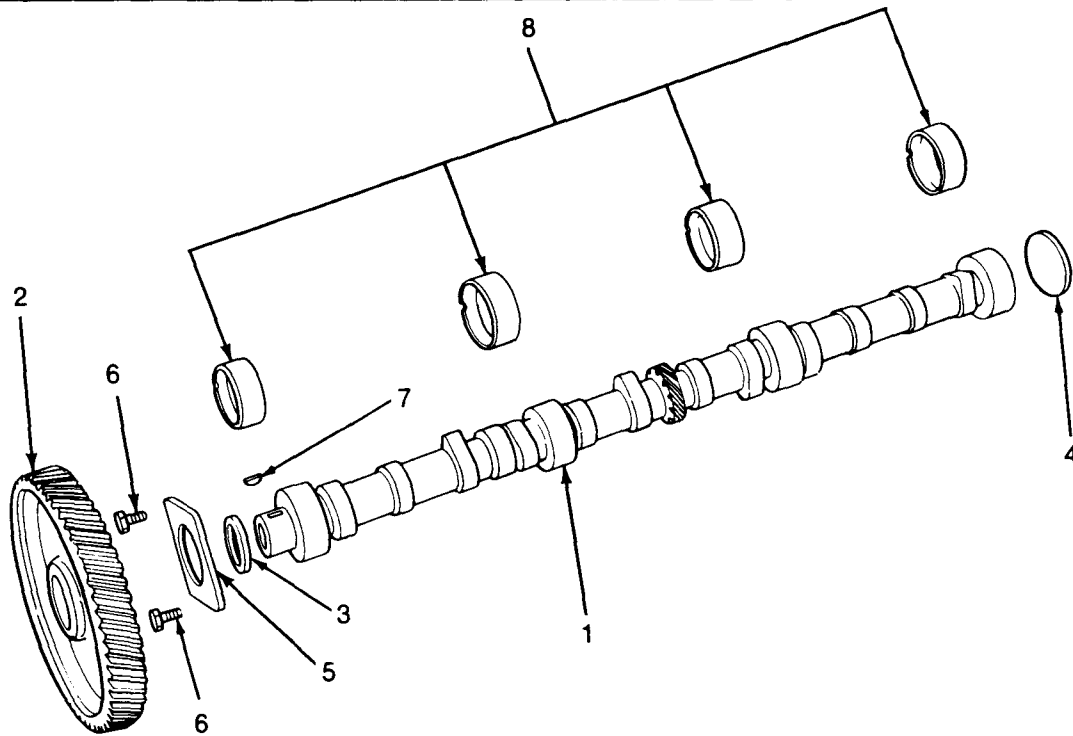


YSD-424 (Diesel)
4-Cylinder, 2.4 Litre, 144 CID



LSG-423 & LSG 633
4 & 6-Cylinder, Gasoline
2.3 Litre and 3.3 Litre

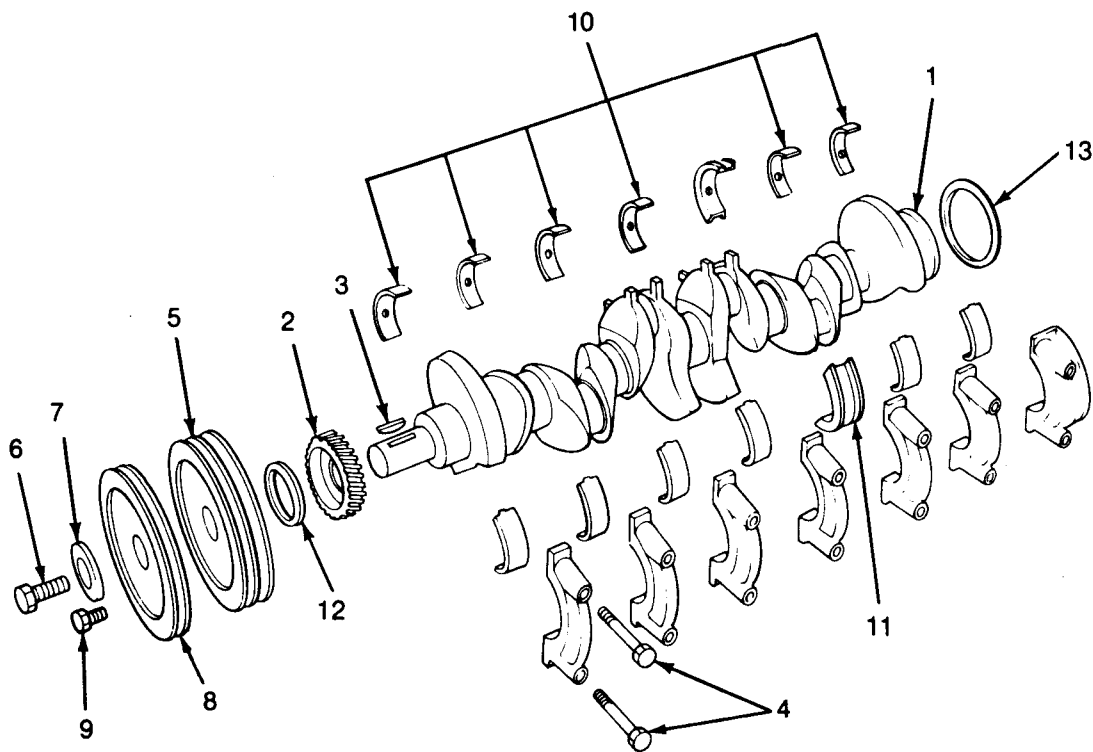
**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



CAMSHAFT, GEAR, BEARINGS AND RELATED PARTS — TYPICAL

IE-34

REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		CAMSHAFT, GEAR, BEARINGS AND RELATED PARTS	
1	70/	Camshaft Assembly - Less Gear - Use With D5TZ-6262-B Bearings	1
2	70/	Gear - Camshaft - 92 Teeth Cast Iron	1
3	70/	Spacer - Cam Gear - 1-1/2 OD - 1-1/4 ID	1
4	70/	Plug - Cam Rear Bearing - 2.199 OD	1
5	70/	Plate - Cam Thrust - 1-5/8 ID - 13/64 Thick	1
6	70/	Bolt - Plate To Block - 5/16-18 x 3/4	2
7	70/	Key - Gear To Camshaft	1
8	70/	Camshaft Bearing - Standard - Use With D5TZ-A Camshaft	4
	70/	Camshaft Bearing - .015 Undersize - Use With D5TZ-A Camshaft	A/R



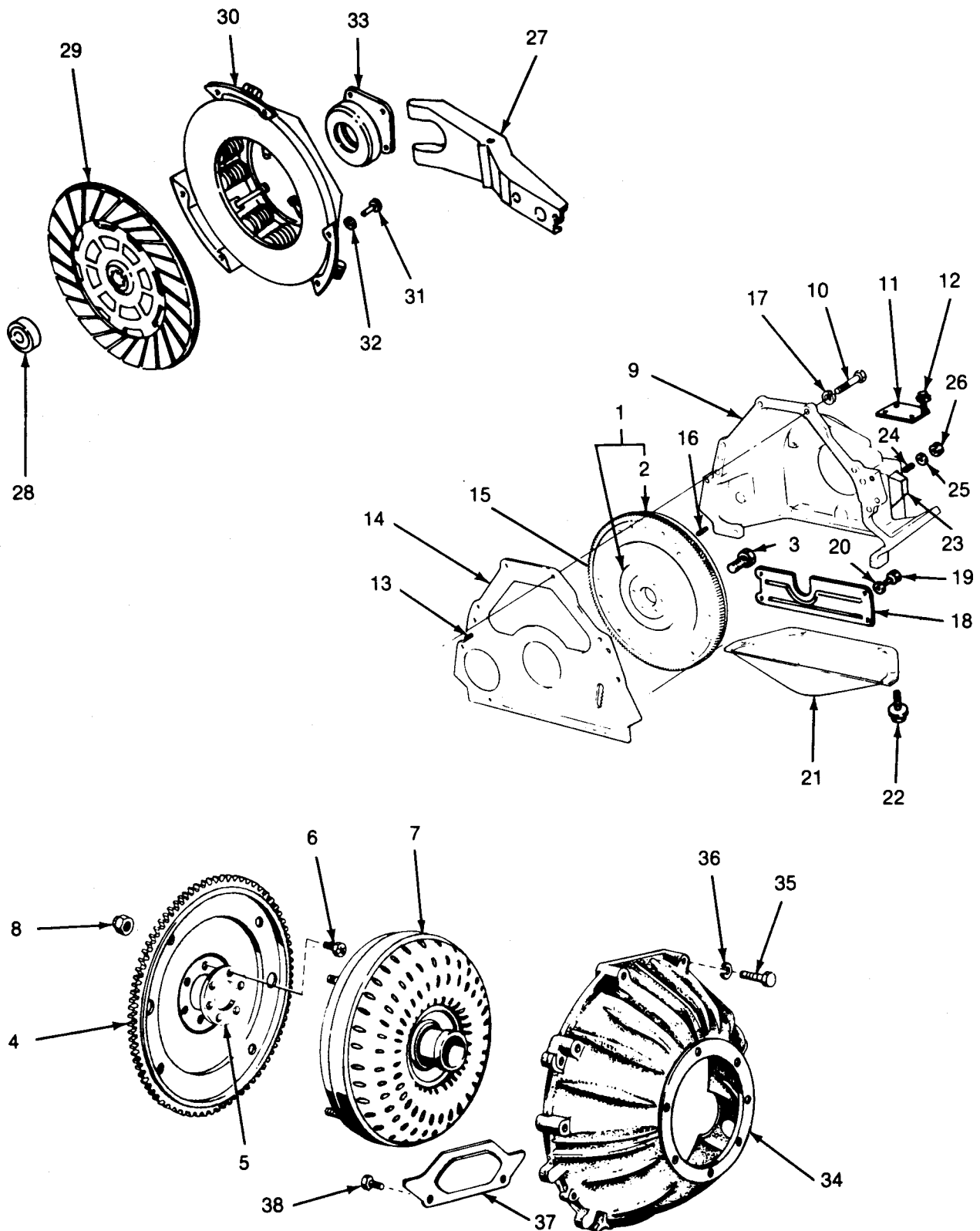
CRANKSHAFT AND RELATED PARTS — TYPICAL

IE-35

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY. 300
CRANKSHAFT AND RELATED PARTS			
CRANKSHAFT ASSEMBLY			
1	70/	Crankshaft - Cast Iron	1
2	70/	Gear - Crankshaft	1
3	70/	Key - Gear To Crankshaft - 3/16 x 1-3/4	1
4	70/	Bolt - Crankshaft Main Bearing Cap	14
PULLEY - CRANKSHAFT			
INCLUDES DAMPER			
5	70/	Pulley - Crankshaft - Double Sheave - ID Marking (C5TE-6316-F) And Orange Paint On Damper - 6-45/64 Dia. Pulley Uses 3/8 Belts - Order Through Industrial Only	1
6	70/	Bolt - 5/8-16 x 1-3/4 - Pulley To Crankshaft	1
7	70/	Washer - Crankshaft Pulley Retaining	1
8	70/	Pulley Assembly - Crankshaft - Outer	1
9	70/	Bolt - 3/8-16 x 1.12 Self Locking	3
BEARINGS - CRANKSHAFT MAIN			
10	70/	Main Bearing - Upper - Standard	6
	70/	Main Bearing - .001 U/S	A/R
	70/	Main Bearing - .002 U/S	A/R
	70/	Main Bearing - .010 U/S	A/R
	70/	Main Bearing - .020 U/S	A/R
	70/	Main Bearing - .030 U/S	A/R
	70/	Main Bearing - Lower - Standard	6
	70/	Main Bearing - .001 U/S	A/R
	70/	Main Bearing - .002 U/S	A/R
	70/	Main Bearing - .010 U/S	A/R
11	70/	Main Bearing - .020 U/S	A/R
	70/	Main Bearing - .030 U/S	A/R
	70/	Main Bearing - Upper - Standard	1
	70/	Main Bearing - .001 U/S	A/R
	70/	Main Bearing - .002 U/S	A/R
	70/	Main Bearing - .010 U/S	A/R
	70/	Main Bearing - .020 U/S	A/R
	70/	Main Bearing - .030 U/S	A/R
	70/	Main Bearing - Lower - Standard	1
	70/	Main Bearing - .001 U/S	A/R
12	70/	Main Bearing - .002 U/S	A/R
	70/	Main Bearing - .010 U/S	A/R
	70/	Main Bearing - .020 U/S	A/R
	70/	Main Bearing - .030 U/S	A/R
	70/	Main Bearing - .030 U/S	A/R
SEALS - CRANKSHAFT - FRONT AND REAR			
12	70/	Oil Seal - Cylinder Front Cover	1
13	70/	Oil Seal - Rear Crankshaft	1



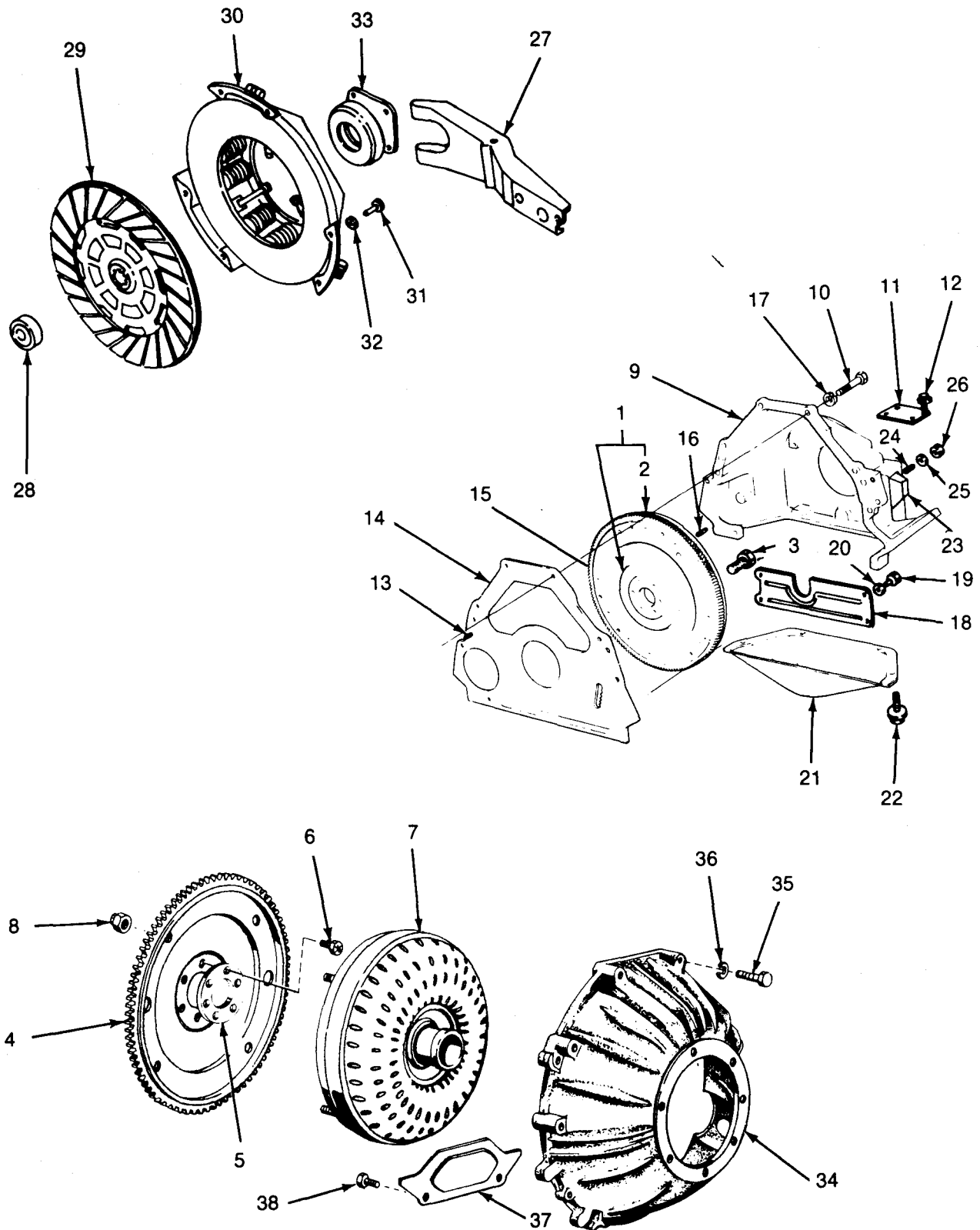
IE-36

FLYWHEEL HOUSING, FLYWHEEL, CLUTCH, CONVERTER AND RELATED PARTS — TYPICAL

CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT



REF. NO.	YEAR	DESCRIPTION	QTY. 300
		FLYWHEEL HOUSING, FLYWHEEL, CLUTCH, CONVERTER AND RELATED PARTS	
		FLYWHEEL AND RING GEAR ASSEMBLY	
1	70/	Flywheel And Ring Gear 184 Tooth For 12 Inch Clutch	1
2	70/	Flywheel Ring Gear - 184 Tooth	1
3	70/	Bolt - 7/16-20 x 1.62 Hex - Locking - Flywheel To Crankshaft ...	6
4	70/	Flywheel Assembly - 184 Tooth For Converter Assembly	1
5	70/	Plate - Flywheel Reinforcing	1
6	70/	Bolt - 7/16-20 x .83 - Flywheel To Crankshaft	6
7	70/	Converter Assembly	1
8	70/	Nut - Attach Converter To Flywheel	4
		HOUSING - FLYWHEEL - WITH FEET AND FLYWHEEL ASSEMBLY	
1	70/	Flywheel Assembly - 11-1/2 O.C. Clutch	1
3	70/	Bolt - 7/16-20 x 1.06 Locking - Attach Flywheel To Crankshaft ...	6
9	70/	Housing - Flywheel - SAE 3	1
	70/	Housing - Flywheel - SAE 4	1
10	70/	Bolt - 7/16-14 x 1.5 Locking - Attach Housing To Cylinder Block ...	2
	70/	Bolt - 7/16-14 x 1.0 Locking - Attach Housing To Rear Engine Plate And Cylinder Block	10
11	70/	Cover - Inspection Hole	1
12	70/	Screw And Washer - 5/16-18 x .50 - Attach Cover To Housing ...	4
13	70/	Dowel - 1/2 x 1.0 - Assemble In Dowel Hole Above Starting Motor	1
14	70/	Plate - Engine Rear	1
15	70/	Adaptor - Flywheel To Pilot Bearing	1
16	70/	Bolt - 3/8-16 x 1.0 Locking - Attach Adaptor To Flywheel	3
		HOUSING - CLUTCH - AND RELEASE LEVER FOUR AND FIVE SPEED TRANSMISSION	
1	70/	Flywheel Assembly - 12 Inch Clutch	1
3	70/	Bolt - 7/16-20 x 1.62 Locking	6
9	70/	Housing Assembly - Clutch	1
10	70/	★Bolt - 7/16-14 x 3.75	6
	70/	◆ Bolt - 7/16-14 x 1.00 Locking	3
		◆ Attach Rear Engine Plate To Cylinder Block	
13	70/	Dowel - 1/2 x 1	1
14	70/	Plate Assembly - Engine Rear	1
17	70/	★Lockwasher - 7/16	6
		★Attach Clutch Housing To Rear Engine Plate And Cylinder Block	
18	70/	Front Dust Cover	1
19	70/	†Bolt - 3/8-16 x 1.00	2
20	70/	†Lockwasher - 3/8	2
		†Attach Front Dust Cover To Housing On L.H. Side	
21	70/	Lower Dust Cover	1
22	70/	▲Screw And Washer Assembly - 5/16-18 x 1/2	5
		▲Attach Lower Dust Cover	



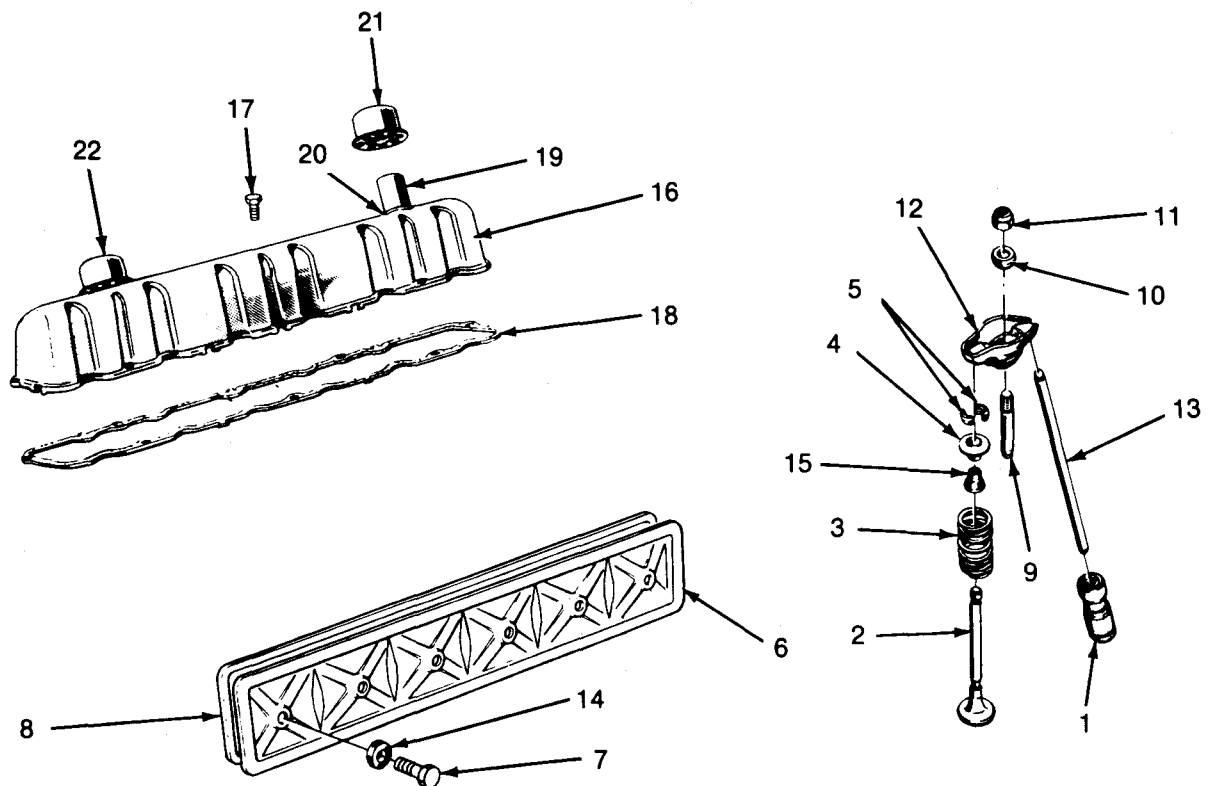
IE-36

FLYWHEEL HOUSING, FLYWHEEL, CLUTCH, CONVERTER AND RELATED PARTS — TYPICAL

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		FLYWHEEL HOUSING, FLYWHEEL, CLUTCH, CONVERTER AND RELATED PARTS (Cont'd.)	
		HOUSING - CLUTCH - RELEASE LEVER FOUR AND FIVE SPEED TRANSMISSION (Cont'd.)	
23	70/	Dust Shield	1
24	70/	□Stud - 9/16-12-18 x 2.56	2
25	70/	□Washer - 9/16 Lock	2
26	70/	□Nut - 9/16-18	2
		□Install In Upper Transmission Mounting Holes	
27	70/	Lever Assembly - Clutch Release	1
28	70/	Bearing - Clutch Pilot	1
29	70/	Disc Assembly - Clutch	1
30	70/	Plate And Cover Assembly - Clutch Pressure	1
31	70/	* Bolt - 5/16-18 x .92 Shoulder	6
32	70/	* Washer - 5/16 Lock	6
		* Attach 7563 To 6375.	
		CLUTCH ASSEMBLY 12 INCH H.D. 1-3/8 - 10 SPLINE	
29	70/	Disc Assembly - Clutch	1
30	70/	Pressure Plate And Cover Assembly	1
31	70/	Bolt - 5/16-18 x .92 Shoulder	6
32	70/	Washer - 5/16 Lock	6
33	70/	Bearing And Hub Assembly - Clutch Release	1
		BEARING - CLUTCH PILOT	
28	70/	Bearing - Clutch Pilot - Bronze	1
	70/	Bearing - Clutch Pilot - Ball For Spring Loaded Clutch	1
		CONVERTER HOUSING AND REAR ENGINE PLATE	
14	70/	Plate - Engine Rear	1
34	70/	Converter Housing	1
35	70/	Bolt - 7/16-14 x 2.50	6
36	70/	Washer - 7/16 Lock	6
37	70/	Cover - Front Dust	1
38	70/	Bolt and Washer Assembly - 5/16-18 x 1/2	3
		REAR ENGINE PLATE AND FRONT DUST COVER	
10	70/	Bolt - 7/16-14 x 1.0 Lock	3
14	70/	Plate Assembly - Engine Rear	1
18	70/	Dust Cover - Front	1
19	70/	Bolt - 3/8-16 x 3/4	1
20	70/	Washer - 3/8 Lock	2

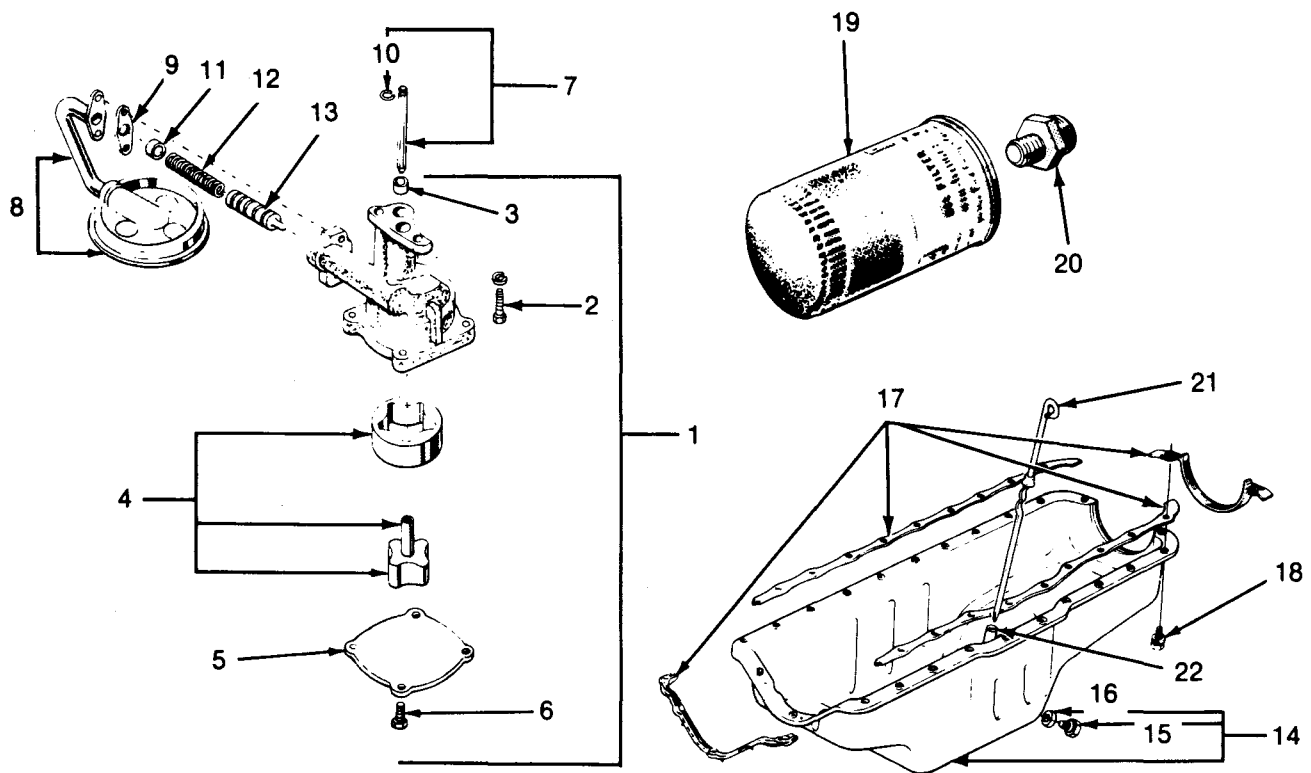


VALVES, PUSH RODS, ROCKER ARM COVER AND RELATED PARTS — TYPICAL IE-37

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		VALVES, PUSH RODS, ROCKER ARM COVER AND RELATED PARTS - TYPICAL	
		TAPPET ASSEMBLY - VALVE	
1	70/	Tappet Assembly	12
		VALVE - EXHAUST	
2	70/	Valve - Standard .3419 Stem Diameter	6
	70/	Valve - .003 O/S	A/R
	70/	Valve - .015 O/S	A/R
	70/	Valve - .030 O/S	A/R
		VALVE - INTAKE	
	70/	Valve - Standard .3419 Stem Diameter	6
	70/	Valve - .003 O/S	A/R
	70/	Valve - .015 O/S	A/R
	70/	Valve - .030 O/S	A/R
		RETAINERS, LOCKS AND SPRINGS - VALVE	
3	70/	Valve Spring - Intake	6
	70/	Valve Spring - Exhaust	6
4	70/	Retainer - Valve Spring - Exhaust	6
	70/	Retainer - Valve Spring - Intake	6
5	70/	Lock Key - Valve Spring Retainer - Intake and Exhaust	24
		COVER - VALVE PUSH ROD	
6	70/	Cover - Push Rod	1
7	70/	Bolt - 5/16-18 x 1.0	6
8	70/	Gasket - Push Rod Cover	1
9	70/	Stud - Valve Rocker Arm Support - 3/8-24 x 2-5/8	12
10	70/	Seat - Rocker Arm Fulcrum	12
11	70/	Nut - Rocker Arm Stud - 3/8-24	12
12	70/	Arm - Valve Rocker	12
13	70/	Rod - Valve Push	12
14	70/	Grommet - Push Rod Cover Bolt	6
15	70/	Valve Stem Seals	12
16	70/	Cover - Rocker Arm	1
17	70/	Screw And Lock Washer - Cover To Head	8
18	70/	Gasket - Rocker Cover	1
		PIPE - OIL FILLER AND BREATHER CAP	
19	70/	Pipe - Oil Filler	1
20	70/	Grommet - Rocker Arm Cover	1
21	70/	Breather Cap	1
22	70/	Breather Cap	1



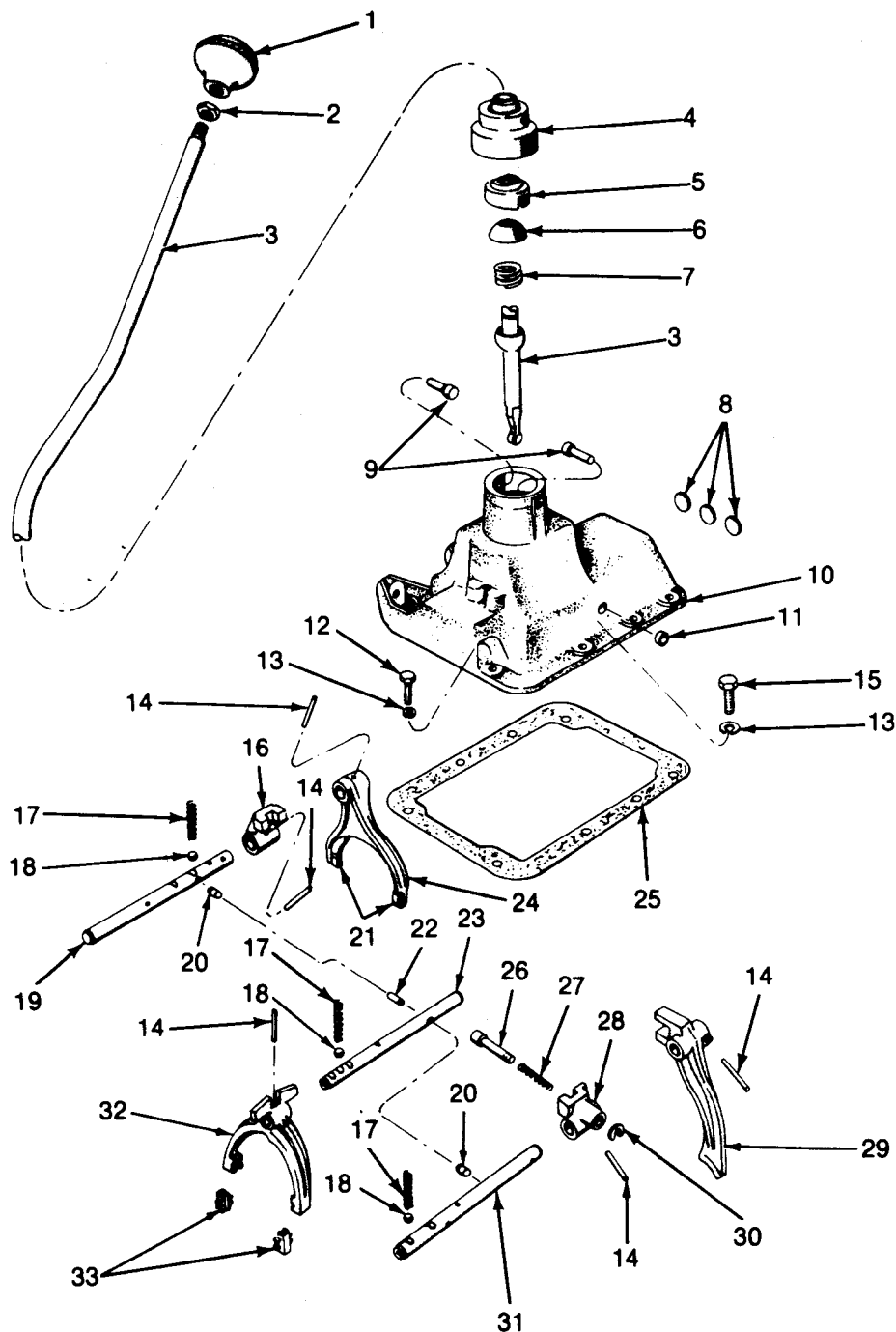
OIL PUMP, OIL PAN AND RELATED PARTS — TYPICAL

IE-38

CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		OIL PUMP, OIL PAN AND RELATED PARTS	
		PUMP ASSEMBLY - ENGINE OIL	
1	70/	Pump Assembly - Less Screen And Tube	1
2	70/	Bolt - Oil Pump To Block	2
3	70/	Dowel - Pump To Block - 1/2 x 13/32	1
4	70/	Rotor And Shaft Assembly - Oil Pump Drive	1
5	70/	Plate Assembly - Pump Cover	1
6	70/	Bolt - Plate To Pump - 1/4-20 x 5/8	4
7	70/	Shaft Assembly - Pump Intermediate - 4.52 Long With Retainer..	1
8	70/	Screen, Tube And Cover Assembly	1
9	70/	Gasket - Oil Pump Inlet Tube	1
10	70/	Ring - Pump Intermediate, Shaft Retainer	1
11	70/	Plug - Oil Pump Relief Valve	1
12	70/	Spring - Pump Body Relief Valve - 3-1/32 x 3/4	1
13	70/	Plunger - Relief Valve - 3/4 x 2-1/4	1
		PAN - ENGINE OIL	
14	70/	Pan - Engine Oil	1
15	70/	Plug - Engine Oil Pan Drain - Includes (4) C20Z-6734-A Gaskets.	1
16	70/	Gasket - Oil Pan Drain Plug - .508 ID, .82 OD, .076 Thick Nylon..	1
17	70/	Gasket Set	1
		CONSISTS OF:	
		Gasket - Right	1
		Gasket - Left	1
		Seal - Front	1
		Seal - Rear	1
		Gasket - Oil Pan Drain Plug	1
18	70/	Screw And Lockwasher Assembly - Oil Pan To Block And Front Cover	25
		FILTER - ENGINE OIL	
19	70/	Filter - Engine Oil - Spin On	1
20	70/	Insert - Oil Filter Adapter	1
		INDICATOR - ENGINE OIL LEVEL	
21	70/	Indicator - Oil Level - 12.52 Top Of Shield To Full	1
22	70/	Tube - Oil Level Indicator	1



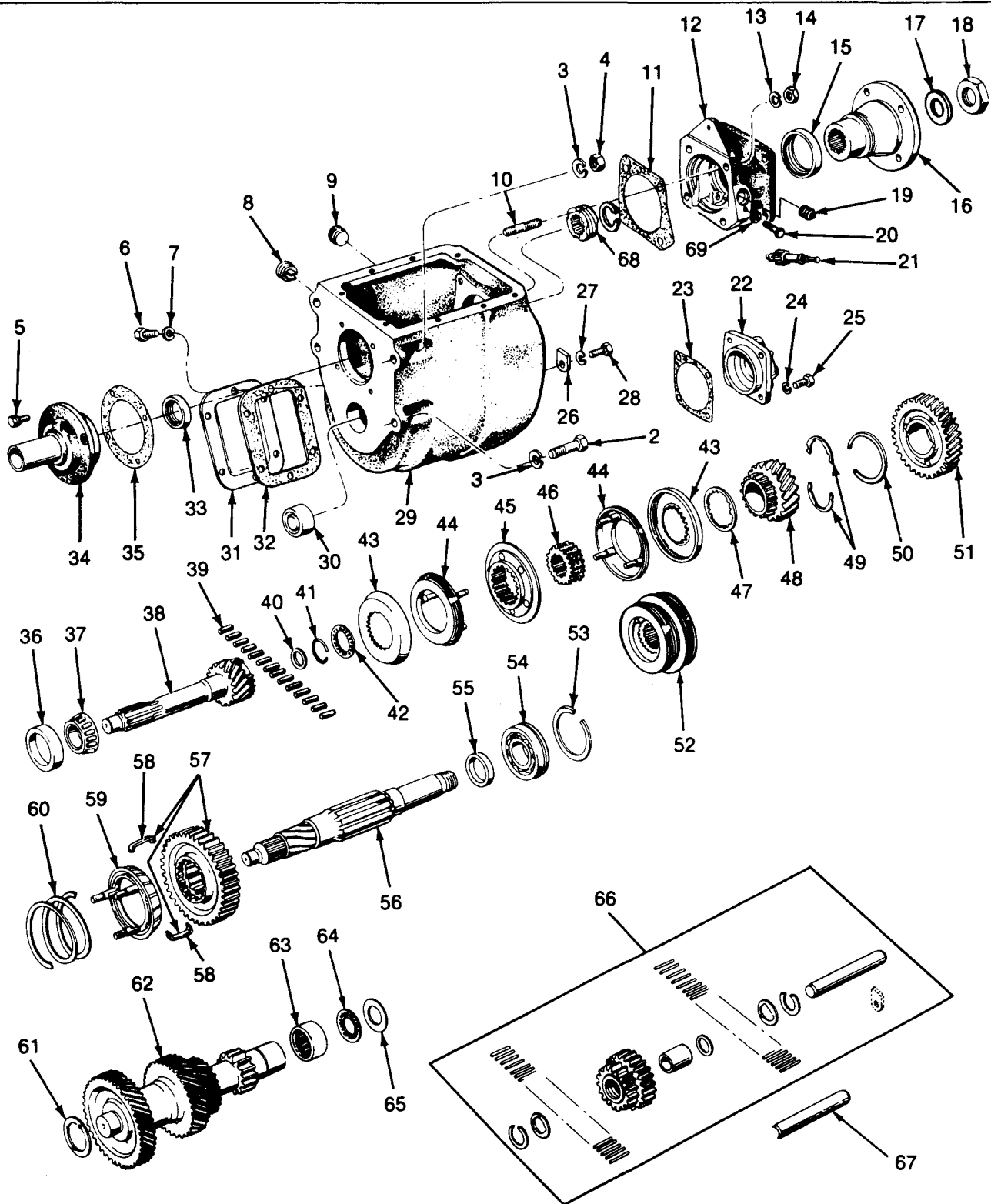
GEAR SHIFT MECHANISM — 4-SPEED HELICAL (NEW PROCESS 435) — TYPICAL

IE-39

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		GEAR SHIFT MECHANISM - 4 SPEED CENTER SHIFT - NEW PROCESS 435	
1	70/	Ball Assembly - Gearshift Lever	1
2	70/	Nut - 3/8-24 Jam	1
3	70/	Lever Assembly - Gearshift - Power Unit	1
	70/	Lever Assembly - Gearshift	1
4	70/	Boot - Gearshift Lever To Housing	1
5	70/	Cap - Transmission Gearshift Lever	1
6	70/	Seat - Transmission Gearshift Spring	1
7	70/	Spring - Transmission Gearshift Lever	1
8	70/	Plug - 25/64	3
9	70/	Trunnion - Cover - 1-3/16 Long, 5/16 Dia. One End, 1/4 Dia. Other End	2
10	70/	Housing - Gearshift	1
11	70/	Plug - 3/8	1
12	70/	Bolt - Housing To Case - 3/8-16 x 3/4	6
13	70/	Lockwasher - 3/8	6
14	70/	Pin - Shifter Interlock - 1 Long, 3/16 OD - Chamfer On One End Only	5
15	70/	Bolt - Housing To Case - 3/8-16 x 1-1/8	2
16	70/	Gate - First And Second Gearshifter Shaft	1
17	70/	Spring - Gearshifter Shafts Poppet - 7 Active Coils - 23/64 OD, 1 Long	3
18	70/	Ball - Shifter Shaft Poppet - 3/8	3
19	70/	Shaft - First And Second Gearshifter - 8.15 Long, .6213 Dia.	1
20	70/	Plunger - Shifter Shaft Interlock - .599 Long, .374 Dia. - Rounded Ends	2
21	70/	Insert - First And Second Gearshifter Fork 3/4 Long, .30 Wide, 1/4 Thick - Nylon	2
22	70/	Gearshifter Shaft Interlock - 3/16 OD, 33/64 Long	1
23	70/	Shaft - Third And Fourth Gearshifter - 8.63 Long, .6213 Dia.	1
24	70/	Fork - First And Second Gearshifter - Includes Nylon Inserts	1
25	70/	Gasket - Gearshift Housing - 10.69 Long, 8.32 Wide, (8) Bolt Holes	1
26	70/	Plunger - Shifter Shaft Interlock - Reverse Shift Lug	1
27	70/	Spring - Reverse Shift Lug - 1/2 OD, 1-9/16 Free Length	1
28	70/	Gate - Gearshift Reverse - Front	1
29	70/	Arm - Gear Shift, Reverse Fork	1
30	70/	Washer - Reverse Shift Lug Plunger - "C" Type - 5/8 Wide, 7/32 Opening, 1/16 Thick	1
31	70/	Shaft - Reverse Gearshift - 8.69 Long, .6213 Dia.	1
32	70/	Fork - Third And Fourth Gearshifter - Includes Inserts	1
33	70/	Insert - Third And Fourth Gearshifter Forks 3/4 Long, 1/2 Overall Width	2



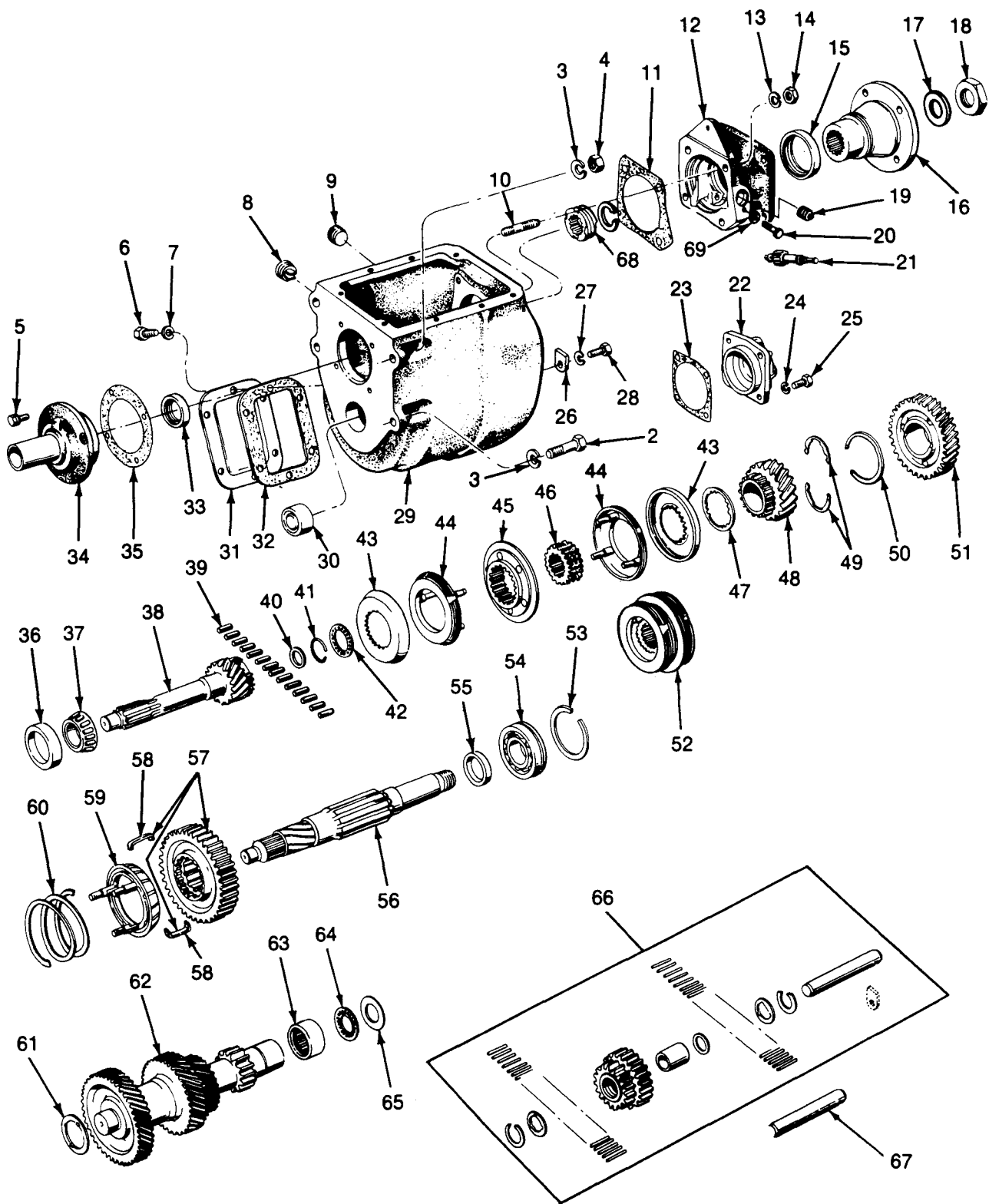
TRANSMISSION ASSEMBLY — 1 KIT — SMALL PARTS REPAIR — 71
GASKET SET — 70 KIT — BEARING AND GASKET (OVERHAUL) — 72

TRANSMISSION — 4-SPEED SYNCHRO. HELICAL GEAR (NEW PROCESS 435) — TYPICAL IE-40

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		TRANSMISSION ASSEMBLY - 4 SPEED CENTER SHIFT - NEW PROCESS 435	
1	70/	Transmission Assembly	1
2	70/	Bolt - 9/16-12 x 2.0	2
3	70/	Lockwasher - 9/16	4
4	70/	Nut - 9/16-18	2
5	70/	Bolt - Retainer To Case - 5/16-18 x 3/4	4
6	70/	Bolt - Cover To Case - 3/8-16 x 5/8	6
7	70/	Lockwasher - 3/8	6
8	70/	Plug - Drain - Magnetic - 3/4-14	1
9	70/	Plug - Filler - 3/4-14	1
10	70/	Stud - 1/2-13 And 1/2-20 x 1-3/4	4
11	70/	Gasket - Output Shaft Bearing Retainer	1
12	70/	Retainer Assembly - Output Shaft Bearing - 1-20 Tapped Hole ..	1
13	70/	Lockwasher - 1/2	4
14	70/	Nut - 1/2-20 Hex	4
15	70/	Oil Seal - Output Shaft Bearing Retainer 3-1/4 OD, 2-1/2 ID, 1/2 Thick	1
16	70/	Flange - Output	1
17	70/	Washer - Output Shaft - 1.75 OD, 1 ID, .156 Thick	1
18	70/	Nut (Output Shaft) - 1-20 Hex Lock Across Flats 1-1/2	1
19	70/	Sleeve Assembly - Speedometer Gear	1
20	70/	Bolt - 1/4-20 x 5/8	1
21	70/	Gear - Speedometer Driven - 15 Teeth	1
22	70/	Cap - Countershaft Rear Bearing	1
23	70/	Gasket - Countershaft Rear Bearing Cap - 3.19 ID, 1/64 Thick, (4) .41 Bolt Holes	1
24	70/	Lockwasher - 3/8	6
25	70/	Bolt - Cap To Case - 3/8-16 x 3/4	4
26	70/	Plate - Countershaft And Reverse Idler Shaft Lock 7/8 Wide, 1/8 Thick, 1-1/8 Overall Length	1
27	70/	Lockwasher - 3/8	1
28	70/	Bolt - Lock Plate To Case - 3/8-16 x 5/8	1
29	70/	Case	1
30	70/	Bearing Assembly - Countershaft Front Radial - 1.8755 OD, 1.50 ID, 1 Thick	1
31	70/	Cover - Power Take-Off	1
32	70/	Gasket - Power Take-Off Cover	1
33	70/	Seal - Input Shaft	1
34	70/	Retainer - Input Bearing - 4-11/32 Overall Length - 5.124 Flange OD, 2.8428 Flange ID	1
35	70/	Gasket - Input Shaft Bearing Retainer	2
36	70/	Cup - Input Shaft Bearing - 2.8443 OD, .7812 Wide	1
37	70/	Bearing Assembly - Input Shaft	1
38	70/	Shaft - Input - 17 Helical Teeth - 24 Clutch Teeth - 10 Splines - 9-3/8 Long	1
39	70/	Roller - Input Shaft Pilot Bearing - .2811 OD, .678 Long	14
40	70/	Spacer - Input Shaft Bearing To Inner Race - 1.543 OD, 1.25 ID, .062 Thick	1
41	70/	Snap Ring - Pilot Roller Bearing Retainer - 1.685 Free OD, .093 Dia. - Spring Steel	1
42	70/	Bearing - Synchronizer Clutch Gear Thrust - 27 Rollers - 2.171 OD - .156 Thick	1



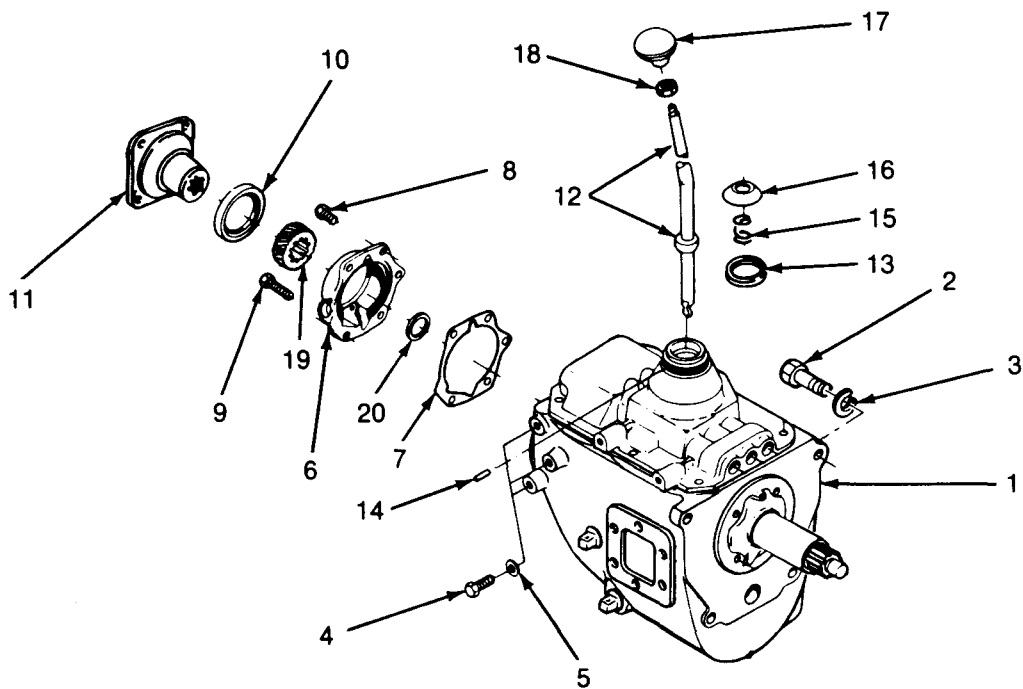
TRANSMISSION ASSEMBLY — 1 KIT — SMALL PARTS REPAIR — 71
GASKET SET — 70 KIT — BEARING AND GASKET (OVERHAUL) — 72

TRANSMISSION — 4-SPEED SYNCHRO. HELICAL GEAR (NEW PROCESS 435) — TYPICAL IE-40

CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		TRANSMISSION ASSEMBLY - 4 SPEED CENTER SHIFT - NEW PROCESS 435 (Cont'd.)	
43	70/	Ring - Synchronizer Third And Fourth Outer Stop - 24 Splines . . .	2
44	70/	Ring And Pins - Synchronizer Inner Stop - 4.65 OD, Third And Fourth.	2
45	70/77	Sleeve - Synchronizer Sliding - 24 Teeth - Before 6-77	1
	77/	Sleeve - Synchronizer Sliding - 24 Teeth - After 6-77.	1
46	70/	Hub - Third And fourth Gear Synchronizer Clutch - 24 External Teeth, 35 Internal Splines Includes (1) C4TZ-7C096-C Bearing	1
47	70/	Shim - Synchronizer To Output Shaft And Third Speed Idler Gear - .010 Thick	A/R
	70/	Shim - Synchronizer To Output Shaft And Third Speed Idler Gear - .015 Thick	A/R
48	70/	Gear - Output Shaft Third Speed Idler - 23 Helical Teeth - 24 Spur Teeth - 3.723 OD, 1.714 Overall Thickness	1
49	70/	Ring - Output Shaft Second Speed Gear Split Retaining 1.809 ID, 2.333 OD, .0745 Thick.	2
50	70/	Snap Ring - Output Shaft Second Speed Rear - 3.43 OD, 3.054 ID, .065 Thick.	1
51	70/	Gear - Output Shaft Second Speed - 33 Helical Teeth, 27 Clutch Teeth, 5.105 OD, 2.1268 ID	1
52	70/	Synchronizer Assembly - Third And Fourth Speed	1
53	70/	Snap Ring - Output Shaft Bearing Retainer - .097 Thick	1
54	70/	Bearing - Output Shaft Rear - 3.543 OD, 1.574 ID, .905 Wide	1
55	70/	Spacer - Output Shaft To Rear Bearing - 2.25 OD, 2 ID, .338 Wide	1
56	70/	Shaft - Output - 13.59 Long - 10 Splines - 35 Serrations Both Ends - Includes (1) Each C5TZ-7119-A Washer And 371887- S Nut	1
57	70/	Gear - Low And Reverse Sliding - 37 Spur Teeth, 27 Clutch Teeth, 10 Splines, 6.417 OD - Includes (2) C5TZ-7E082-A Spring And (1) C4TZ-7100-J Gear	1
58	70/	Spring - Sliding Gear Tension.	2
59	70/	Ring - Synchronizer Inner Stop And Clutch Pin 5.0597 OD.	1
60	70/	Spring - Synchronizer Blocking - 4 ID, 4.88 Free Length, 2-1/2 Active Coils - .46 x .225 Wide Spring Steel	1
61	70/	Washer - Countershaft Cluster Gear Thrust - Front 2.75 OD, 1.90 ID, .062 Thick - 4 Oil Grooves	1
62	70/	Gear - Countershaft Cluster - 11.30 Long, 43-35-25 Helical Teeth - 14 Spur Teeth	1
63	70/	Bearing Assembly - Countershaft Rear - 2.3755 OD, 2.00 ID, 1 Wide	1
64	70/	Bearing - Countershaft Thrust Rear - 1.922 OD, 38 Rollers, .078 Thick.	1
65	70/	Washer - Countershaft Cluster Gear Thrust Rear 1.917 OD, 1.257 ID, .031 Thick	1
66	70/	Gear - Reverse Idler - 17-21 Teeth - 3.893 OD, 1.481 ID With Bearing.	1
67	70/	Shaft - Reverse Idler Gear - 5-11/32 Long, .9877 Dia.	1
68	70/	Gear - Speedometer Drive - 5 Teeth.	1
69	70/	Lockwasher - 1/4	1
70	70/	Gasket Set	1
71	70/	Small Parts Repair	1
72	70/	Kit - Bearing And Gasket (Overhaul)	1



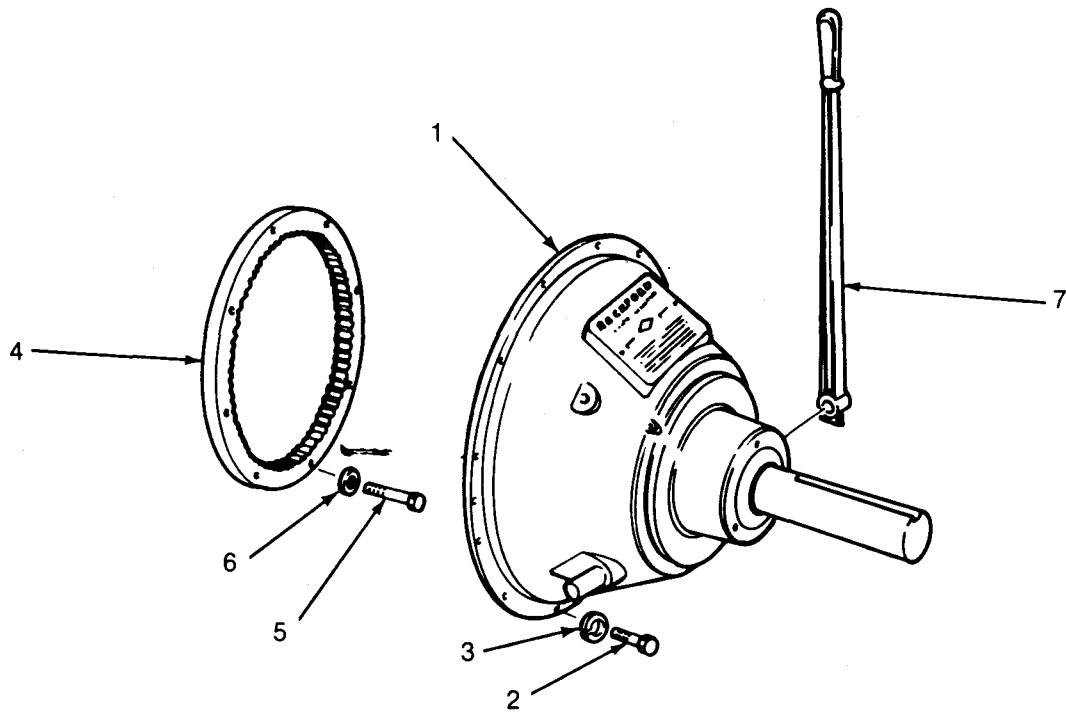
TRANSMISSION ASSEMBLY (4-SPEED HELICAL) WARNER GEAR T18 — TYPICAL

IE-41

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**

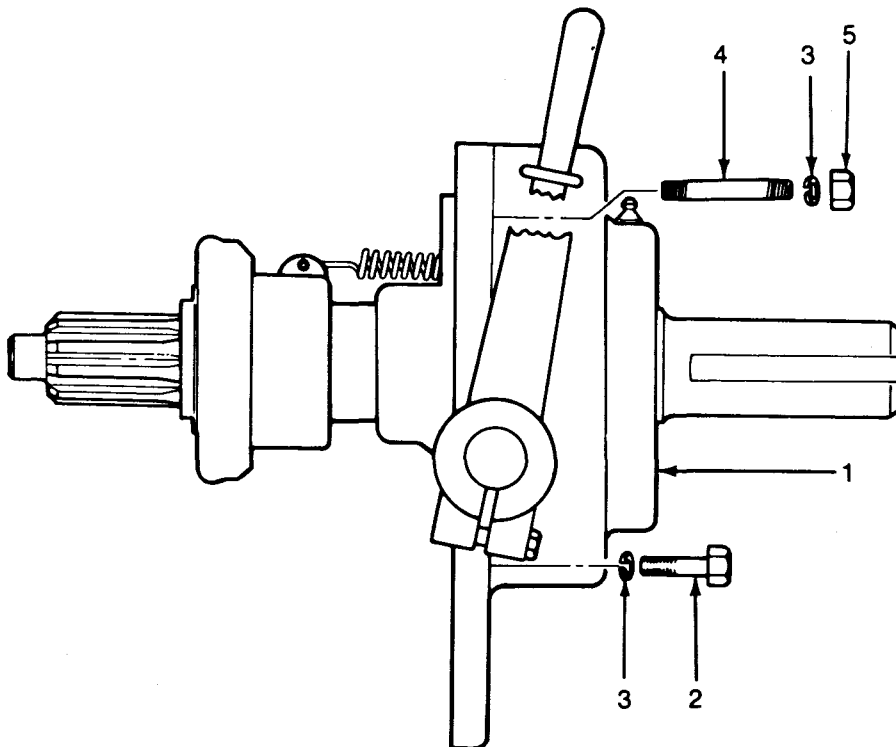


REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		TRANSMISSION ASSEMBLY - 4 SPEED CENTER SHIFT - WARNER T-18	
1	73/	■ Transmission Assembly	1
2	73/	★ Bolt 9/16-12 x 2.0	2
3	73/	★ Washer 9/16 Lock	2
		★ Attach Transmission To Clutch Housing	
4	73/	† Bolt 3/8-16 x .625	3
5	73/	† Washer 3/8 Lock	3
		† Plug Unused Holes In Transmission	
6	73/	Retainer - Transmission Bearing	1
7	73/	Gasket - Transmission Bearing Retainer	1
8	73/	Bolt 3/8-16 x 1.0 Self Locking	4
9	73/	Bolt 3/8-16 x 1.75 Self Locking	1
10	73/	Retainer - Coupling Shaft Grease	1
11	73/	Flange - Output	1
12	73/	Lever - Gear Shift - Engine So Or Power Unit	1
	73/	Lever - Gear Shift - Engine Std.	1
13	73/	Gasket - Shift Lever Cap	1
14	73/	Trunnion - Shift Lever	1
15	73/	Spring - Shift Lever	1
16	73/	Seat - Shift Lever Spring	1
17	73/	Ball - Shift Lever	1
18	73/	Nut - 3/8-24	1
19	73/	Gear - Speedometer Drive	1
20	73/	Spacer - Speedometer Drive Gear	1
		■ Order Transmission Detail Service Parts From The Industrial Power Products Distributor In Your Area.	
		TRANSMISSION ASSEMBLY - FMX AUTOMATIC	
		■ ★ Transmission Assembly	1
		■ Transmission Assembly	1
		■ To Order Transmission Detail Service Parts Information Refer To The FPSD Light Truck, F100/500 Series, 73 And Up Parts Book, Section A70.2	
		★ Unique Valve Body Part No. D7FP-7A100-FA Is Required And Available From The Industrial Power Products Distributor In Your Area For This Transmission.	



POWER TAKE-OFF ASSEMBLY H.D. OVERCENTER CLUTCH — TYPICAL

IE-42



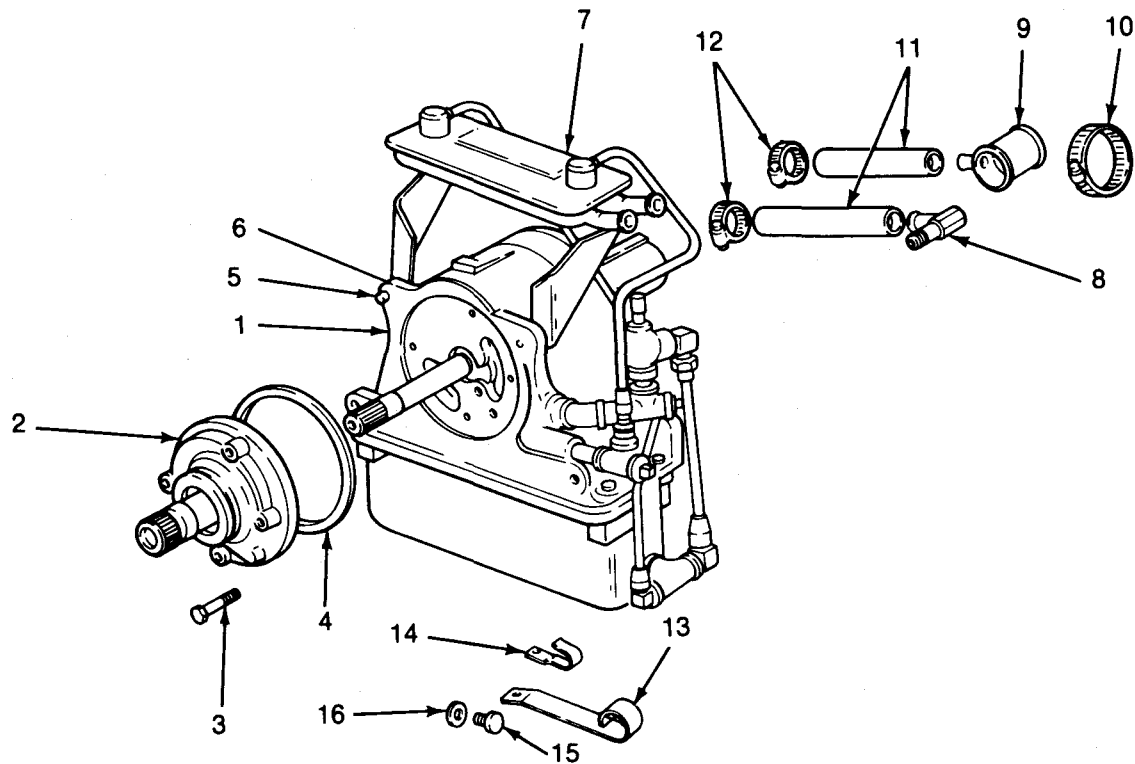
POWER TAKE-OFF ASSEMBLY H.D. SPRING LOADED CLUTCH — TYPICAL

IE-43

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**

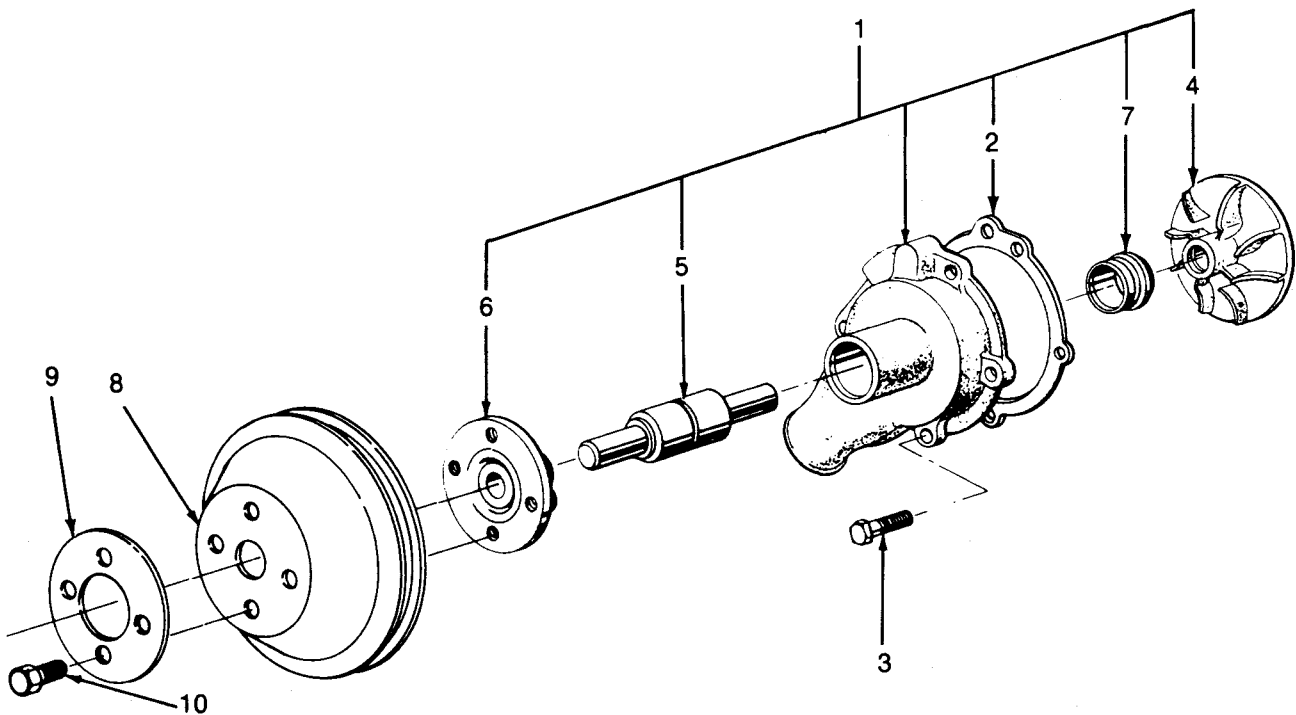


REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		POWER TAKE-OFF ASSEMBLY - ROCKFORD WITH 11-1/2 INCH OVER-CENTER CLUTCH	
1	70/	■ P.T.O. Assembly - Does Not Include Drive Ring Or Handle	1
2	70/	Bolt - 3/8-16 x 1.0	12
3	70/	Washer - 3/8 Lock	12
4	70/	Drive Ring	1
5	70/	Bolt - 3/8-16 x 2.25 Grade 8	8
6	70/	Washer - 3/8 Flat Washer - Hardened	8
7	70/	Handle - PTO	1
		■ <i>Order Power Take-Off Detail Service Parts From The Industrial Power Products Distributor In Your Area.</i>	
		 POWER TAKE-OFF ASSEMBLY - FUNK H.D. FOR SPRING LOADED CLUTCH (F-10-101)	
1	70/	■ P.T.O. Assembly	1
2	70/	Bolt - 9/16-12 x 2.0	2
3	70/	Washer - 9/16 Lock	4
4	70/	Stud - 9/16-12-18 x 2.56	2
5	70/	Nut - 9/16-18	2
		■ <i>Order Power Take-Off Detail Service Parts From The Industrial Power Products Distributor In Your Area.</i>	



IE-44

POWER TAKE-OFF ASSEMBLY — TORQUE CONVERTER TYPE, PUMP AND OIL COOLER — TYPICAL



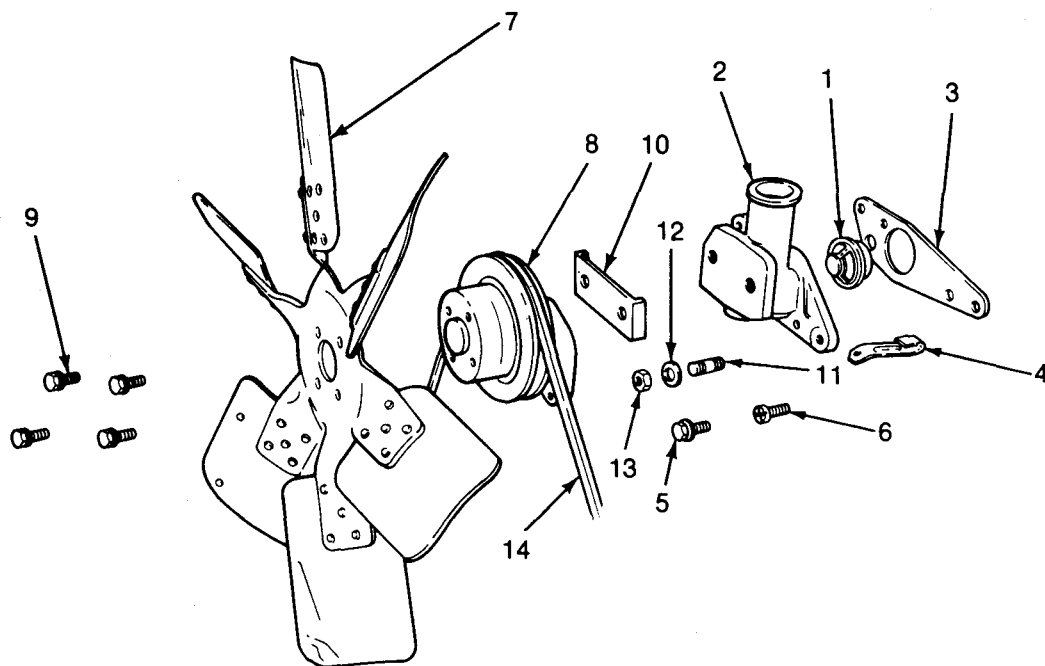
WATER PUMP AND RELATED PARTS — TYPICAL

IE-45

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**

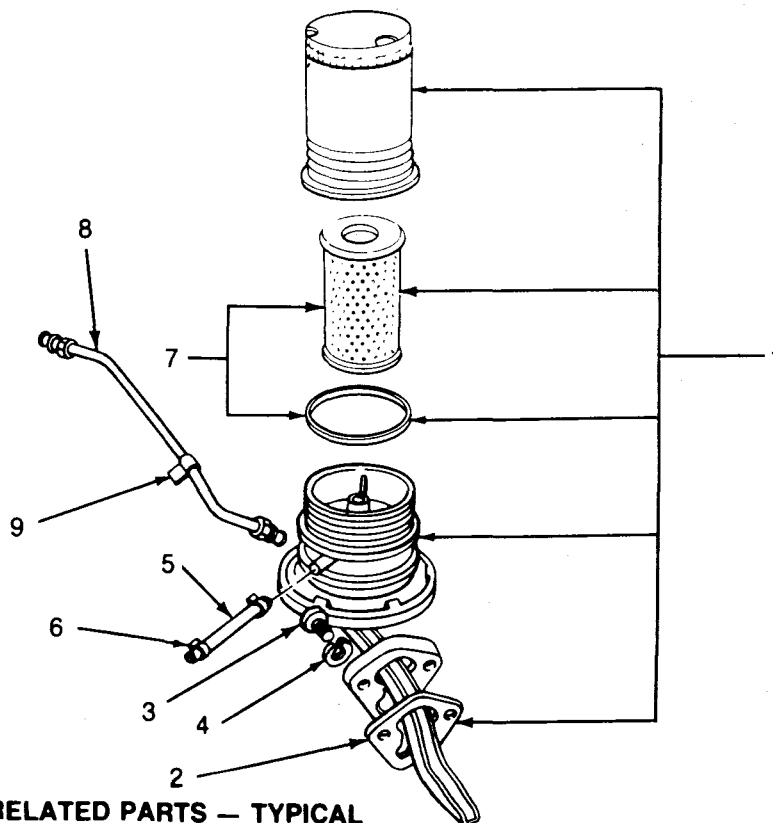


REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		POWER TAKE-OFF ASSEMBLY - FUNK, TORQUE CONVERTER TYPE, PUMP AND OIL COOLER	
1	70/	■ P.T.O. Assembly	1
2	70/	Pump Assembly - Front	1
3	70/	★ Bolt - 5/16-18 x 2	4
		★ <i>Attach Front Pump To P.T.O.</i>	
4	70/	Gasket - Pump	1
5	70/	† Bolt - 7/16-14 x 1-1/2	4
6	70/	† Washer - 7/16 Lock	4
		† <i>Attach P.T.O. To Converter Housing</i>	
7	70/	Cooler - Transmission Oil	1
8	70/	Elbow - 45° x 3/8 Pipe	1
9	70/	Tee - Water Return	1
10	70/	Clamp - Radiator Hose	2
11	70/	Hose - Oil Cooler Water - Outlet	1
	70/	Hose - Oil Cooler Water - Inlet	1
12	70/	Clamp - Cooler Hose	4
13	70/	Bracket - Hose	3
14	70/	Clip	2
15	70/	Bolt - 7/16-14 x 5/8	2
16	70/	Washer - 7/16 Lock	2
		■ <i>Order Power Take-Off Detail Service Parts From The Industrial Power Products Distributor In Your Area.</i>	
		WATER PUMP AND RELATED PARTS	
1	70/	Water Pump Assembly	1
2	70/	Water Pump Gasket	1
3	70/	Bolt - 5/16-18 x 7/8 Water Pump To Block	4
4	70/74	Water Pump Impeller	1
	75/	Water Pump Impeller	1
5	70/74	Water Pump Shaft And Bearing	1
	75/	Water Pump Shaft And Bearing	1
6	70/	Water Pump Pulley Hub	1
7	70/74	Water Pump Seal	1
	75/	Water Pump Seal	1
8	70/	Pulley - Single Sheave	1
9	70/	Clamping Ring - Water Pump Pulley	1
10	70/	Screw And Washer 5/16-24 x 5/8 Attach Pulley And Ring To Water Pump	4



THERMOSTAT, FAN AND RELATED PARTS — TYPICAL

IE-46



FUEL PUMP AND RELATED PARTS — TYPICAL

IE-47

CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		THERMOSTAT, FAN AND RELATED PARTS	
		THERMOSTAT AND OUTLET CONNECTION - HIGH FAN	
1	70/	Thermostat Assembly - 160° F.....	1
2	70/	Connection - Water Outlet.....	1
3	70/	Gasket - Outlet Connection.....	1
4	70/	Bracket - Fuel Pump To Carburetor Tube.....	1
5	70/	Bolt - 5/16-18 x .88.....	2
6	70/	Bolt - 3/8-16 x 1.0.....	2
		FAN - LO MOUNT	
7	70/	Fan Blade - 5 Blade - 17 Inch Suction.....	1
		FAN ASSEMBLY - HI MOUNT	
	70/	Fan Blade - 6 Blade - 18.5 Inch Suction.....	1
8	70/	Bracket And Pulley Assembly.....	1
9	70/	Screw And Washer Assembly - 5/16-18 x 7/8.....	4
10	70/	Guide - Fan Bracket.....	1
11	70/	Stud - 7/16-14-20 x 1.88.....	2
12	70/	Washer - 7/16 Flat.....	2
13	70/	Nut - 7/16-20 Hex Lock.....	2
14	70/	Belt - Fan 1/2 x 40.4.....	1
		FUEL PUMP AND RELATED PARTS	
		PUMP ASSEMBLY - FUEL	
1	70/	Pump.....	1
2	70/	Gasket - Fuel Pump.....	1
3	70/	Bolt - 5/16-18 x 1.25.....	2
4	70/	Washer - 5/16 Lock.....	2
5	70/	Hose - Fuel Tube Connector.....	1
6	70/	Clamp - Hose.....	2
7	70/	Fuel Filter Element For D2TE-9350-RA Pump.....	1
8	70/76	Fuel Line - Fuel Pump To Carburetor - Used Without Mechanical Governor - Holley 1904 Carburetor.....	1
	70/76	Fuel Line - Fuel Pump To Carburetor - Used With Mechanical Governor - Holley 1904 Carburetor.....	1
	76/	Fuel Line - Fuel Pump To Carburetor - Used Without Mechanical Governor - Holley 1940 Carburetor.....	1
	76/	Fuel Line - Fuel Pump To Carburetor - Used With Mechanical Governor - Holley 1940 Carburetor.....	1
9	70/76	Clip - Fuel Line To Vacuum Line.....	1

Ford's New SSD Diesel Series . . . in 3, 4, and 6 Cylinders

Your Ford Power products distributor has engines for a wide range of jobs!

The exciting new SSD Diesel Engine Series consists of two basic families . . .

The first family consists of:

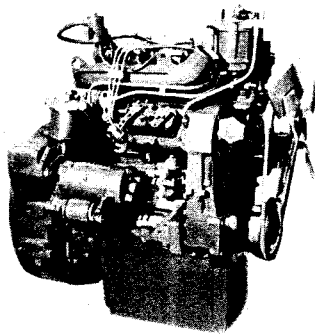
- The three cylinder, naturally aspirated SSD-327, the four cylinder SSD-437, and the six cylinder SSD-655.

The second family consists of:

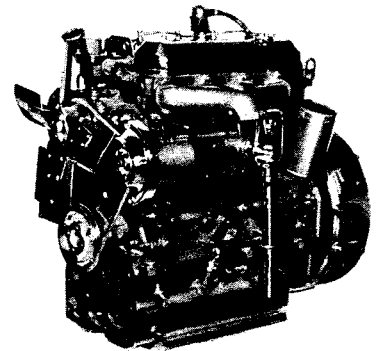
- The six cylinder SSD-681.

An important feature for the parts and service managers is that both the three and four cylinder engines share a similar bore and stroke with the 6 cylinder SSD-655M. Many parts are common to help reduce costly parts inventories.

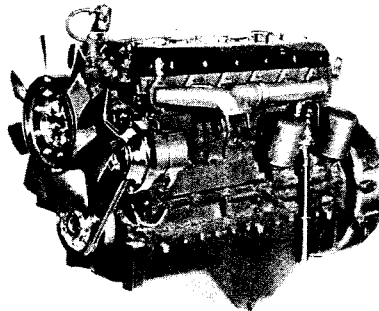
Be sure to get your parts & service from the man who knows your engine best — your Ford Power Products Distributor. He is listed on the inside cover.



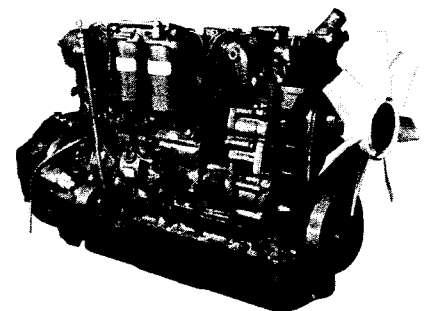
SSD-327
3 Cylinder,
2.7 Litre, 168 CID



SSD-437
4 Cylinder,
3.7 Litre, 224 CID

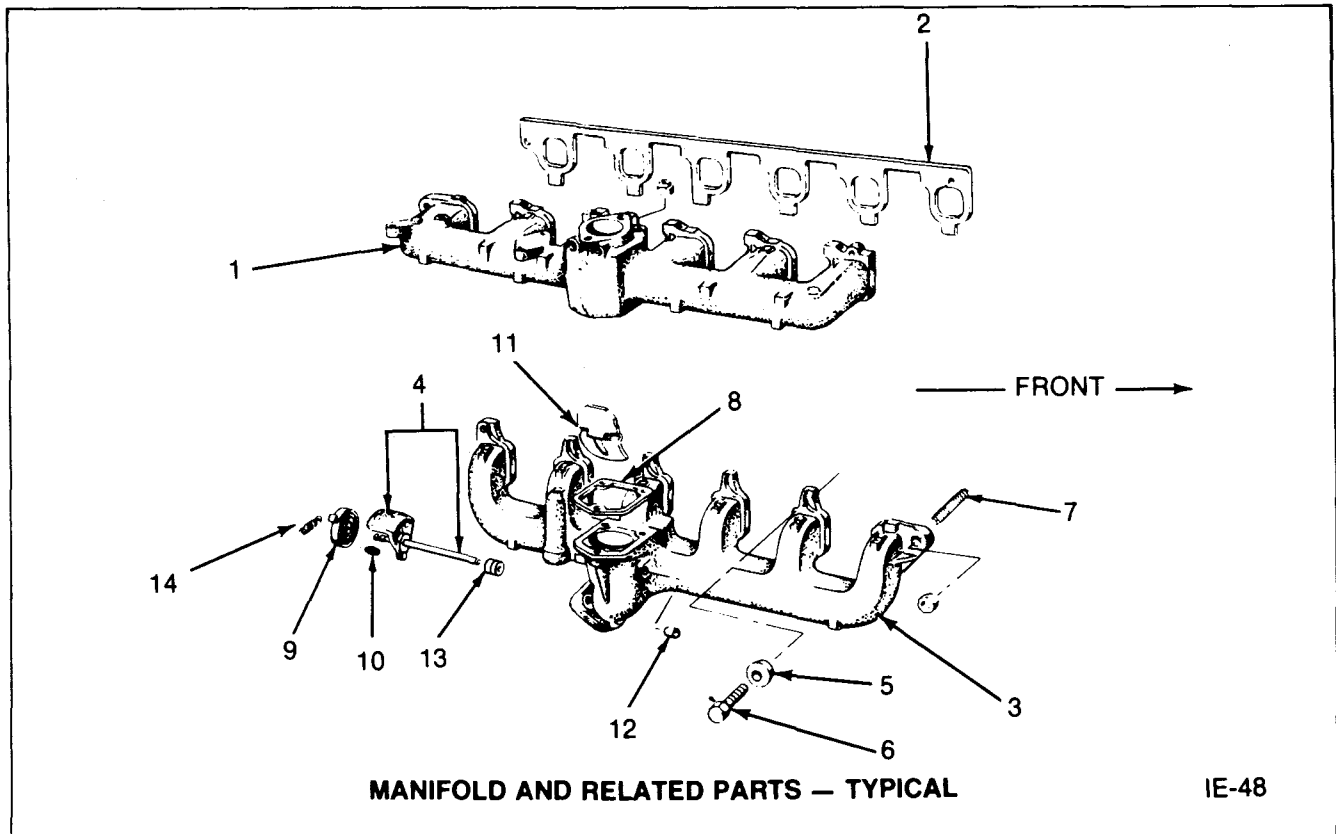


SSD-655
6 Cylinder,
5.5 Litre 335 CID



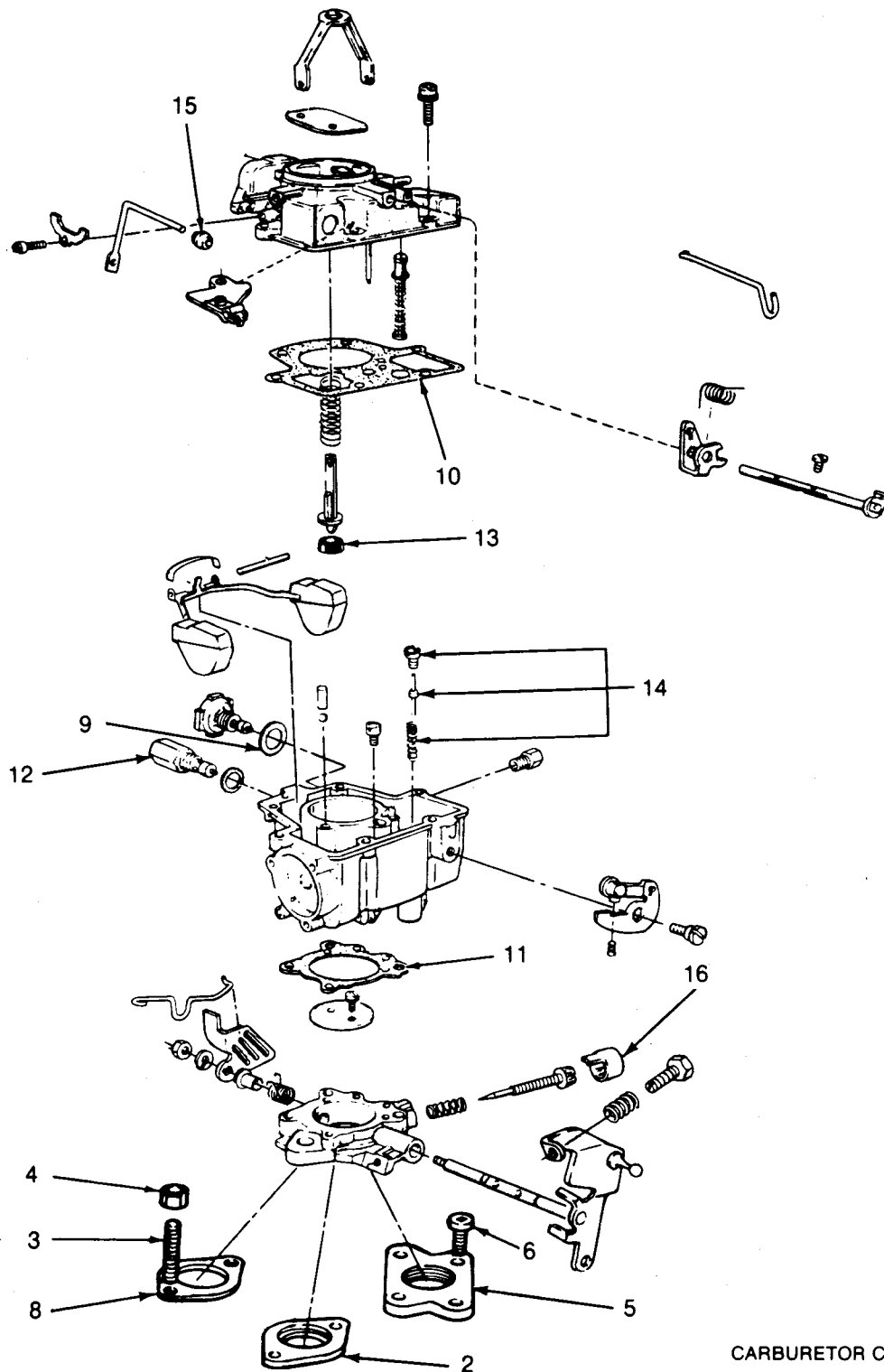
SSD-681
6 Cylinder
8.1 Litre, 495 CID

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



IE-48

REF. NO.	YEAR	DESCRIPTION	QTY. 300
MANIFOLD AND RELATED PARTS			
MANIFOLD ASSEMBLY - INTAKE			
1	70/76	Manifold Assembly	1
	76/	Manifold Assembly	1
2	70/	Gasket - Intake Manifold To Block	1
MANIFOLD ASSEMBLY - EXHAUST			
3	70/	Manifold Assembly	1
4	70/	Shaft And Counterweight Assembly - Exhaust Control Valve	1
5	70/	Clamp - Intake And Exhaust Manifold	13
6	70/	Screw And Washer - 3/8-16 x 1-5/16 - Intake And Exhaust Manifold To Cylinder Head	9
7	70/	Stud - 3/8-16 x 2-3/16 - Manifold To Head	4
8	70/74	Gasket - Intake Manifold To Exhaust Manifold	1
9	70/	Spring - Exhaust Control Valve	1
10	70/	Spring - Exhaust Control Valve Stop	1
11	70/	Valve - Exhaust Control	1
12	70/	Bushing - Exhaust Control Valve	1
13	70/	Bushing - Exhaust Control Valve	1
14	70/	Spring - Exhaust Control Valve Tension	1



CARBURETOR COMPLETE — 1
MOTORCRAFT REPAIR KIT — 7

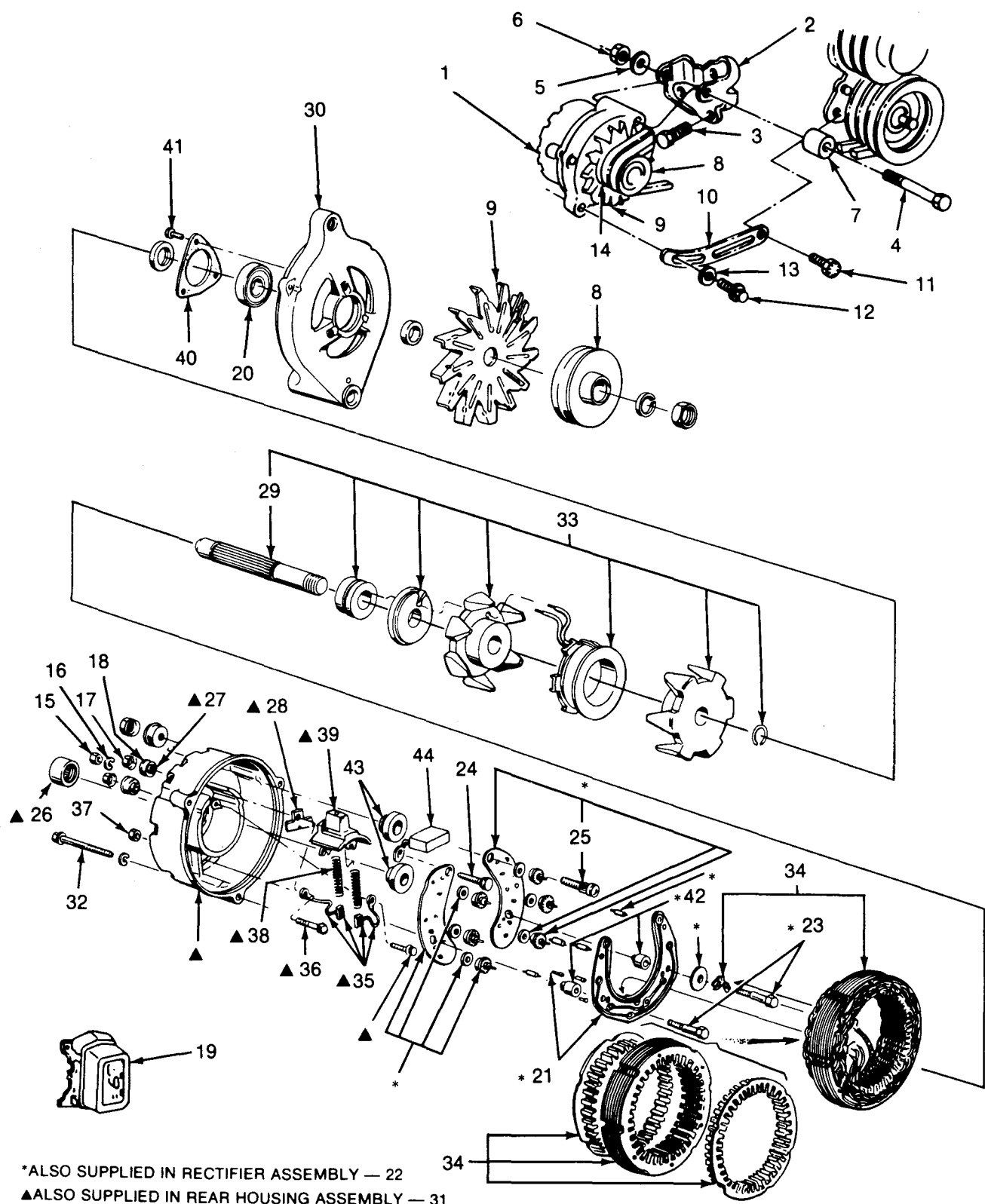
CARBURETOR AND RELATED PARTS — TYPICAL

IE-49

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		CARBURETOR AND RELATED PARTS	
		CARBURETOR ASSEMBLY - WITH MECHANICAL GOVERNOR	
1	70/76	Carburetor Assembly - Holley 1904.....	1
	76/	Carburetor Assembly - Holley 1940.....	1
2	70/76	Spacer - Carburetor To Intake Manifold.....	1
3	70/	Stud - 3/8-16-24 x 1.30.....	2
4	70/	Nut - 3/8-24 Hex.....	2
5	70/76	Adapter - Carburetor.....	1
	76/	Adapter - Carburetor.....	1
6	70/76	Screw - 3/8-16 x 1.0 Adapter To Manifold.....	2
	76/	Screw - 3/8-16 x .88 - Adapter To Manifold.....	2
8	70/	Gasket - Carburetor To Adapter.....	1
		CARBURETOR ASSEMBLY - WITHOUT MECHANICAL GOVERNOR	
1	70/76	Carburetor Assembly - Holley 1904.....	1
	76/	Carburetor Assembly - Holley 1940.....	1
2	70/76	Spacer - Carburetor To Intake Manifold.....	1
	76/	Spacer - Carburetor To Intake Manifold.....	1
3	70/	Stud - 3/8-16-24 x 1.62.....	2
4	70/	Nut - 3/8-24 Hex.....	2
		CARBURETOR REPAIR KIT	
7	70/76	Kit - Repair.....	1
	76/	Kit - Repair.....	1
		TYPICAL REPAIR KIT	
		CONSISTS OF:	
8		Gasket - Carburetor Flange.....	7
9		Gasket - Spark Valve.....	1
10		Gasket - Fuel Bowl Cover To Main Body.....	1
11		Gasket - Throttle Body.....	3
12		Needle And Seat Assembly.....	1
13		Cup Or Diaphragm - Accelerator Pump.....	1
14		Power Valve.....	1
15		Seal - Pump Rod.....	1
16		Cap - Idle Limiter.....	1



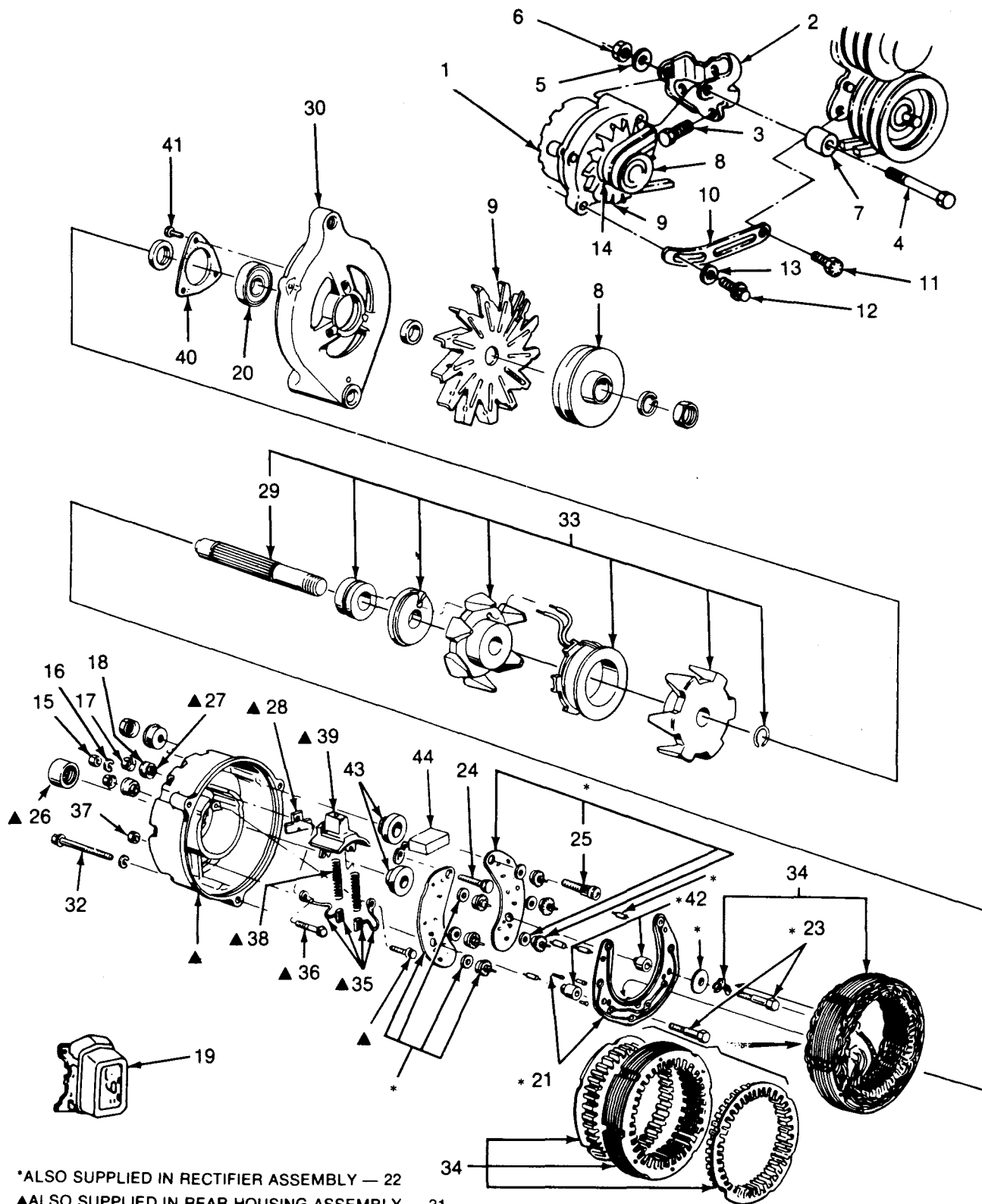
ALTERNATOR AND RELATED PARTS — TYPICAL

IE-50

CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		ALTERNATOR AND RELATED PARTS	
		ALTERNATOR ASSEMBLY - 12V 42 AMP	
1	70/75	Alternator Assembly	1
2	70/75	Bracket - Alternator Mounting - Obtain From IEO Only	1
3	70/75	Bolt - 3/8-16 x 3/4 Locking - Bracket To Cylinder Block	1
4	70/75	★Bolt - 7/16-14 x 4-1/4	1
5	70/75	★Washer - 7/16 Lock	1
6	70/75	★Nut - 7/16-14	1
7	70/75	★Spacer	1
		<i>★Attach Alternator To Mounting Bracket</i>	
8	70/75	Pulley	1
	70/75	Pulley - Alternator - Use With Mechanical Governor	1
9	70/75	Fan - Alternator	1
	70/75	Fan - Alternator - Use With Mechanical Governor	1
10	70/75	Arm - Adjusting	1
11	70/75	Bolt - 5/16-18 x 1-1/2 - Attach Arm Through Front Cover To Cylinder Block	1
12	70/75	•Bolt - 3/8-16 x 1-1/8 Lock	1
13	70/75	•Washer - 3/8 Flat	1
		<i>•Attach Arm To Alternator</i>	
14	70/75	Belt - Drive - 15/32 x 41.31 NL - 15/32 x 42.03 OC	1
15	70/75	†Nut - 10-32 Hex	3
16	70/75	†Washer - No. 10 Lock	3
17	70/75	†Nut - 1/4-28 Hex	1
18	70/75	†Washer - 1/4 Lock	1
		<i>†Attach Wires To Alternator Terminals</i>	
19	70/75	Voltage Regulator	
		CONSISTS OF:	
20		Bearing - Front	1
21		Board Kit - Printed Circuit	1
		CONSISTS OF:	
		Board Assy.	1
		Ring	9
		Washer	2
		Nut	2
		Screw	2
22		Rectifier Kit	1
		CONSISTS OF:	
		Rectifier Assembly	1
		Insulator	1
		Insulator	1
		Nut - No. 10-24	6
		Nut - 1/4-20	2
		Screw - No. 10-24 x 1	2
		Washer	2
23		Screw - 10-24 x 1-1/2	2
24		Screw - 10-24 x 29/32	1
25		Bolt - 1/4-20 x 61/64	1
26		Bearing - Rear - 21/32 ID x 15/16 OD x 11/16 Wide	1
27		Insulator - Terminal - White - 9/32 ID x 5/8 OD x 1/4 Thick	1



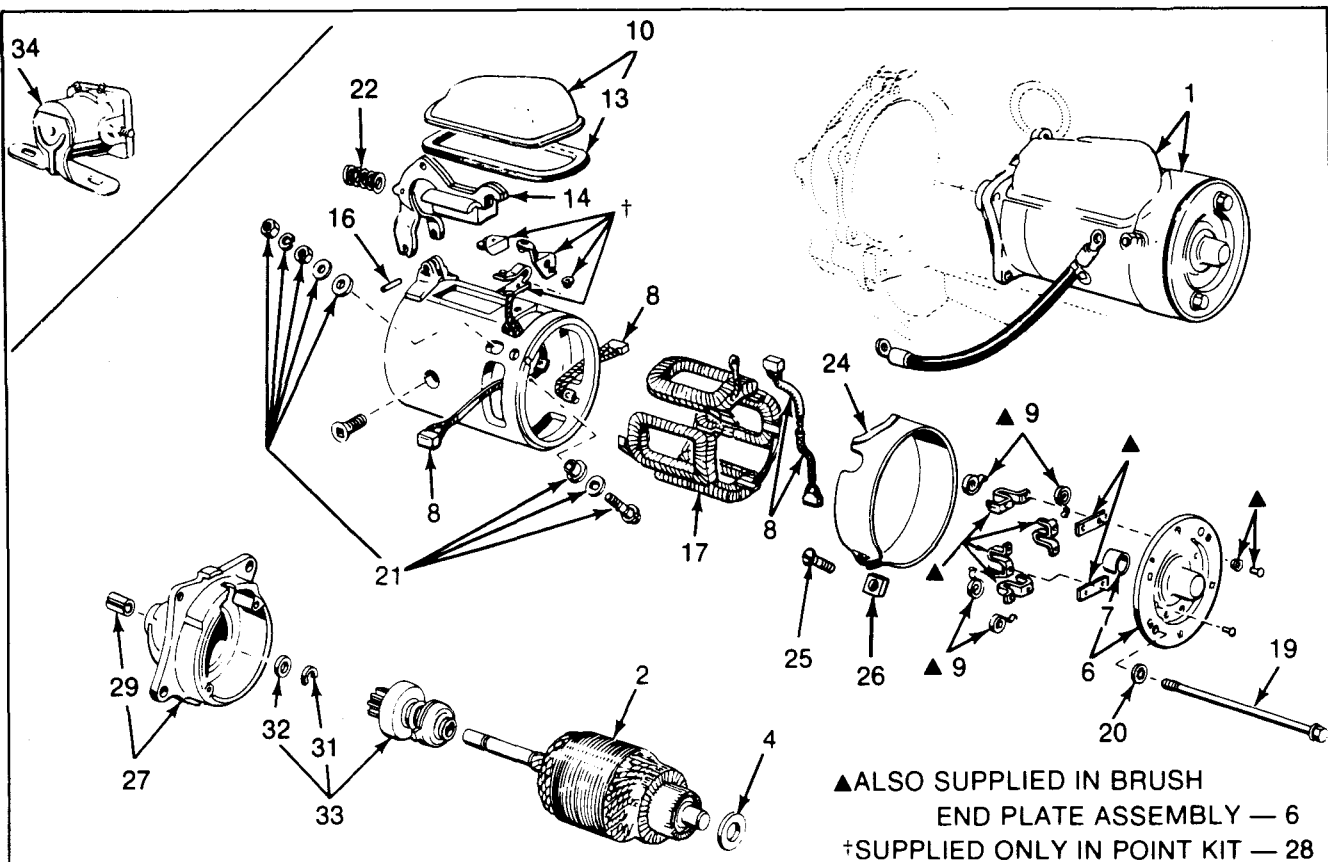
ALTERNATOR AND RELATED PARTS — TYPICAL

IE-50

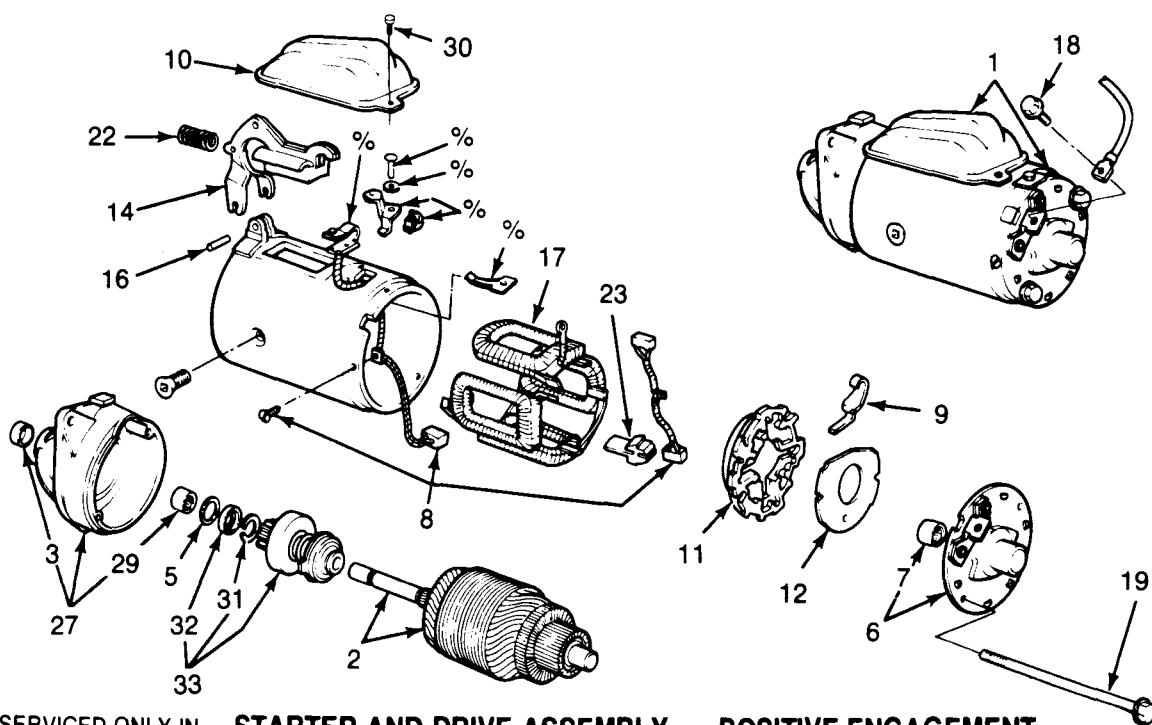
CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		ALTERNATOR AND RELATED PARTS	
		(Cont'd.)	
		ALTERNATOR ASSEMBLY - 12V 42 AMP (Cont'd.)	
28		Insulator - Terminal - Approx. 1/16 x 3/4 x 1	1
29		Shaft - Rotor	1
30		Housing - Front - Before 12-1-72	1
		Housing - Front - After 12-1-72	1
31		Housing - Rear	1
32		Bolt - Hex Washer Head - No. 10-24 x 2-1/8	3
33		Rotor Assembly - Incl. Stop Ring	1
34		Stator Assembly - Incl. Coil	1
35		Brush And Terminal Set	1
		CONSISTS OF:	
		Brush And Terminal	1
		Brush And Terminal	1
36		Screw - No. 10-24 x .65 - Brush Terminal	1
37		Nut - No. 10-24 - Brush Terminal	1
38		Spring Brush	2
39		Holder - Brush	1
40		Retainer - Front Bearing	1
41		Screw No. 10-32 x 3/8 - Front Bearing Retainer	3
42		Insulator Kit - Terminal	1
		CONSISTS OF:	
		Insulator - Terminal	1
		Insulator - Diode Plate	1
		Insulator - Diode Plate	1
43		Insulator Kit - Battery Terminal	1
		CONSISTS OF:	
		Insulator - Diode Plate	1
		Insulator - Terminal	1
44		Capacitor - Radio	1
		ALTERNATOR - MOTOROLA - 12V - 37 AMP	
1	75/	Alternator	1
2	75/	Bracket - Alternator Mounting - Obtain From IEO Only	1
3	75/	★Bolt - 3/8-16 x 3/4 Locking	3
		★ <i>Attach Bracket To Block</i>	
4	75/	†Bolt 7/16-14 x 4.25	1
5	75/	†Washer 7/16 Lock	1
6	75/	†Nut 7/16	1
7	75/	†Spacer	1
		† <i>Attach Alternator To Mounting Bracket</i>	
8	75/	Pulley - Alternator - 1 Sheave	1
	75/	Pulley - Alternator - 3 Sheave	1
10	75/	Arm - Alternator Adjusting	1
11	75/	□Bolt 5/16-18 x 1-1/2	1
		□ <i>Attach Arm Thru Front Cover To Block</i>	
12	75/	*Bolt 3/8-16 x 1-1/8 Locking	1
13	75/	*Washer 3/8 Flat	1
		* <i>Attach Adj. Arm To Alternator</i>	
14	75/	Belt - Alternator And Water Pump	1
19	75/	Voltage Regulator - Transistorized	1



STARTER AND DRIVE ASSEMBLY — POSITIVE ENGAGEMENT — TYPICAL



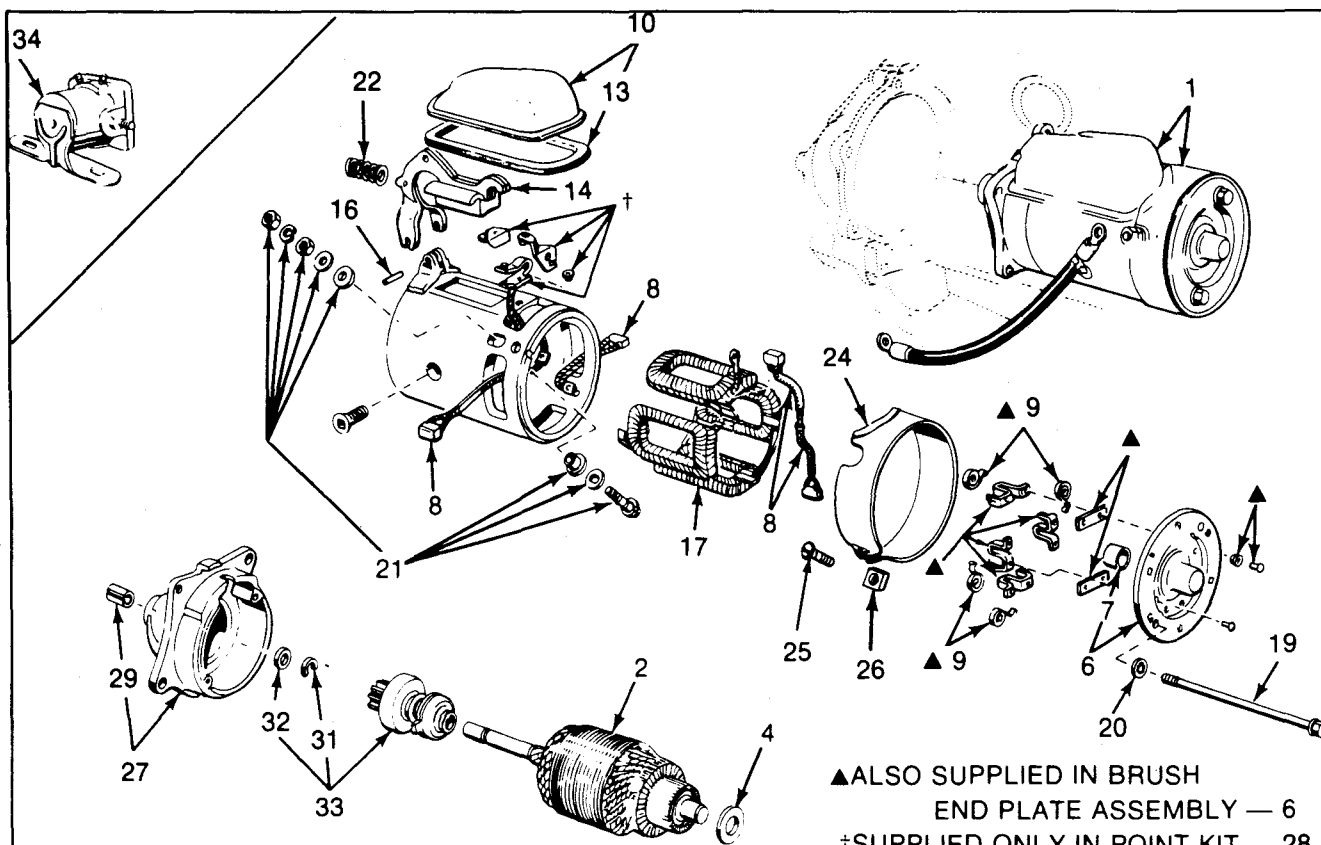
**STARTER AND DRIVE ASSEMBLY — POSITIVE ENGAGEMENT
ALL W/REAR CABLE ATTACHMENT — TYPICAL**

IE-51

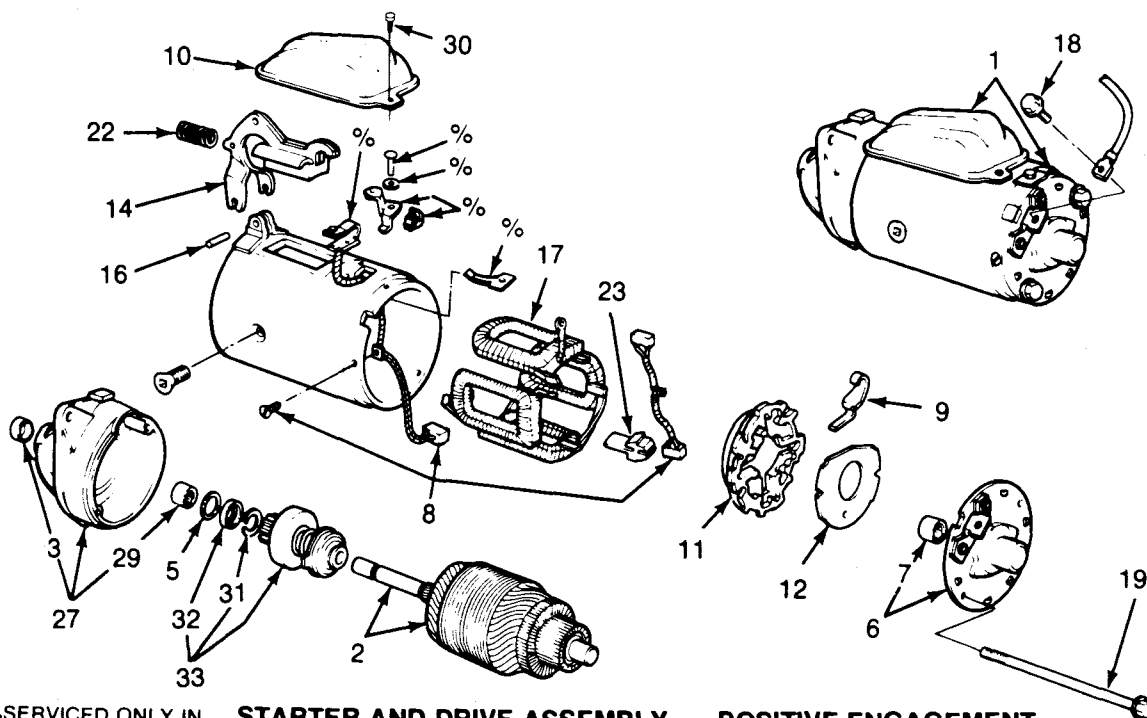
CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		STARTERS AND RELATED PARTS	
1	70/77	Starter Motor - 12V.....	1
	77/	Starter Motor - 12V.....	1
		STARTERS	
		CONSIST OF:	
2	70/77	Armature.....	1
	77	Armature - Before 7-1-77	1
	77/	Armature - After 7-1-77	1
3	70/77	Seal - Drive End Housing	1
4	70/77	Washer - Armature Thrust	1
5	70/	Washer - Drive Thrust.....	1
6	70/77	Plate And Bushing - Brush End	1
	77/	Plate And Bushing - Brush End	1
7	70/	Bushing - Brush End Plate	1
8	70/77	Brush Set.....	1
		CONSISTS OF:	
		Brush.....	1
		Brush.....	1
		Brush.....	1
		Screw	1
		Instruction Sheet.....	1
	77/	Brush Set.....	1
		CONSISTS OF:	
		Brush.....	1
		Brush.....	1
		Screw	2
		Instruction Sheet.....	1
9	70/77	Spring - Brush.....	4
	77/	Spring - Brush.....	4
10	70/77	Cover - Plunger.....	1
	77	Cover - Plunger - Before 9-15-77.....	1
	77/	Cover - Plunger - After 9-15-77	1
11	77/	Holder - Brush	1
12	77/	Insulator - Brush Holder	1
13	70/	Gasket - Cover	1
14	70/77	Lever - Drive	1
	77/	Lever - Drive	1
16	70/77	Pin - Lever To Housing	1
	77/	Pin - Lever To Housing	1
17	70/77	Coil - Field Complete.....	1
	77/	Coil - Field Complete.....	1
18	77/	Screw And Washer - Battery Cable To Plate.....	1
19	70/	Bolt - Thru.....	2
20	70/	Washer - 1/4 Lock.....	2
21	70/77	Field Terminal Kit.....	1
		CONSISTS OF:	
		Washer.....	1
		Washer.....	1
		Washer.....	1
		Washer - Lock	1
		Terminal	1
		Bushing.....	1
		Nut.....	2
		Washer.....	1



STARTER AND DRIVE ASSEMBLY — POSITIVE ENGAGEMENT — TYPICAL



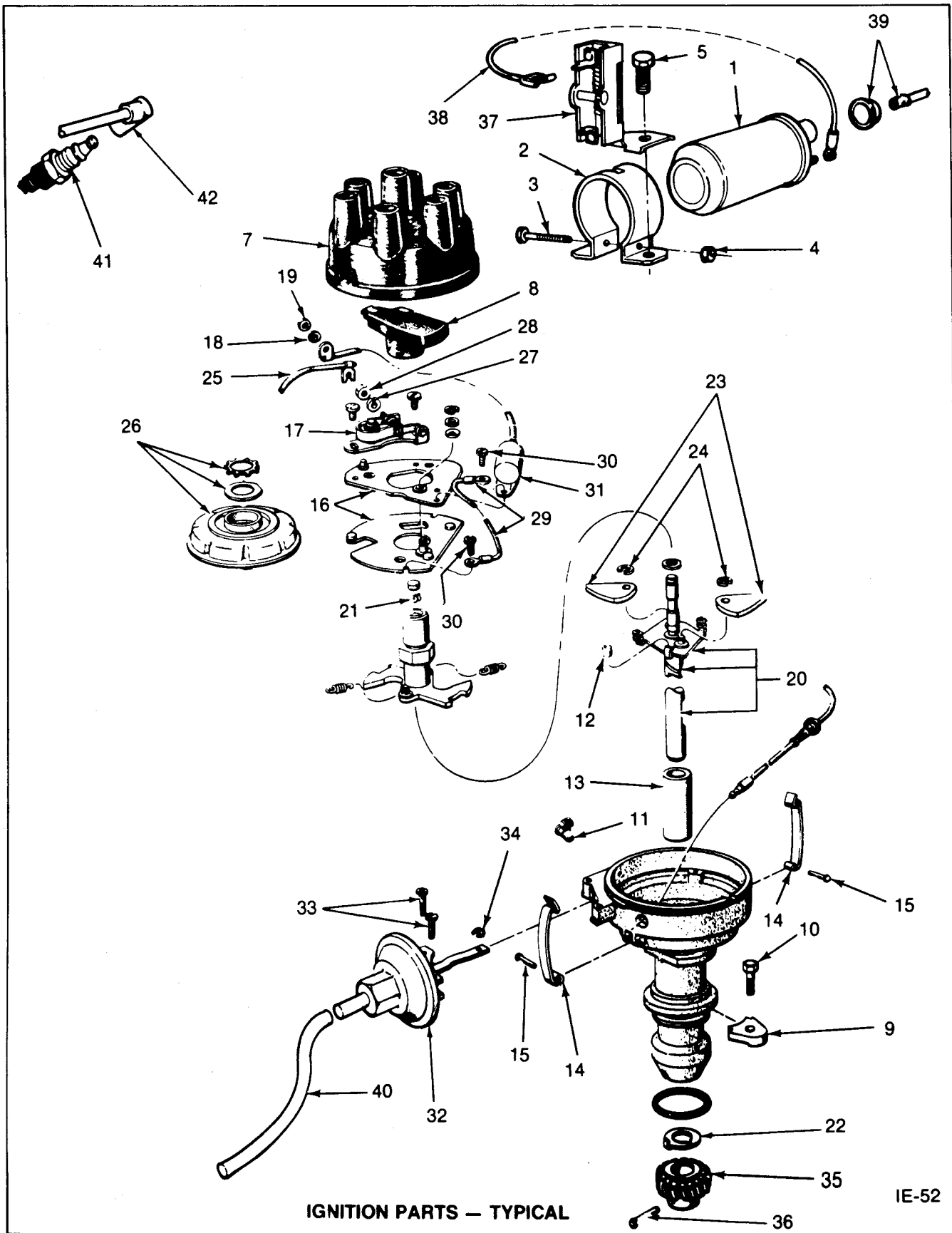
**STARTER AND DRIVE ASSEMBLY — POSITIVE ENGAGEMENT
ALL W/REAR CABLE ATTACHMENT — TYPICAL**

IE-51

CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		STARTERS AND RELATED PARTS (Cont'd.)	
22	70/	Spring - Plunger Return	1
23	77/	Grommet	1
24	70/77	Band - Cover	1
25	70/77	Screw - Round Head 10-32 x 1-5/8	1
26	70/77	Nut - Square - 10-32	1
27	70/	Housing Kit - Drive End	1
		CONSISTS OF:	
		Seal	1
		Retainer	1
		Housing	1
		Lubricant	1
		Ring	1
		Washer	1
		Instruction Sheet	1
28	70/77	Contact Point Kit	1
		CONSISTS OF:	
		Insulator	1
		Spring	1
		Post	1
		Insulator	1
		Screw	1
		Instruction Sheet	1
	77/	Contact Point Kit	1
		CONSISTS OF:	
		Insulator	1
		Terminal	1
		Spring	1
		Post	1
		Insulator	1
		Rivet	1
		Rivet	1
29	70/	Bearing - Drive End	1
30	77	Retainer Assy. - Cover - Before 9-15-77	1
	77/	Retainer Assy. - Cover - (Screw) After 9-15-77	1
31	70/	Ring - Drive Stop	1
32	70/77	Retainer - Drive Stop Ring	1
33	70/	Drive Kit - With Attaching Parts	1
34	70/	Relay - Starter	1



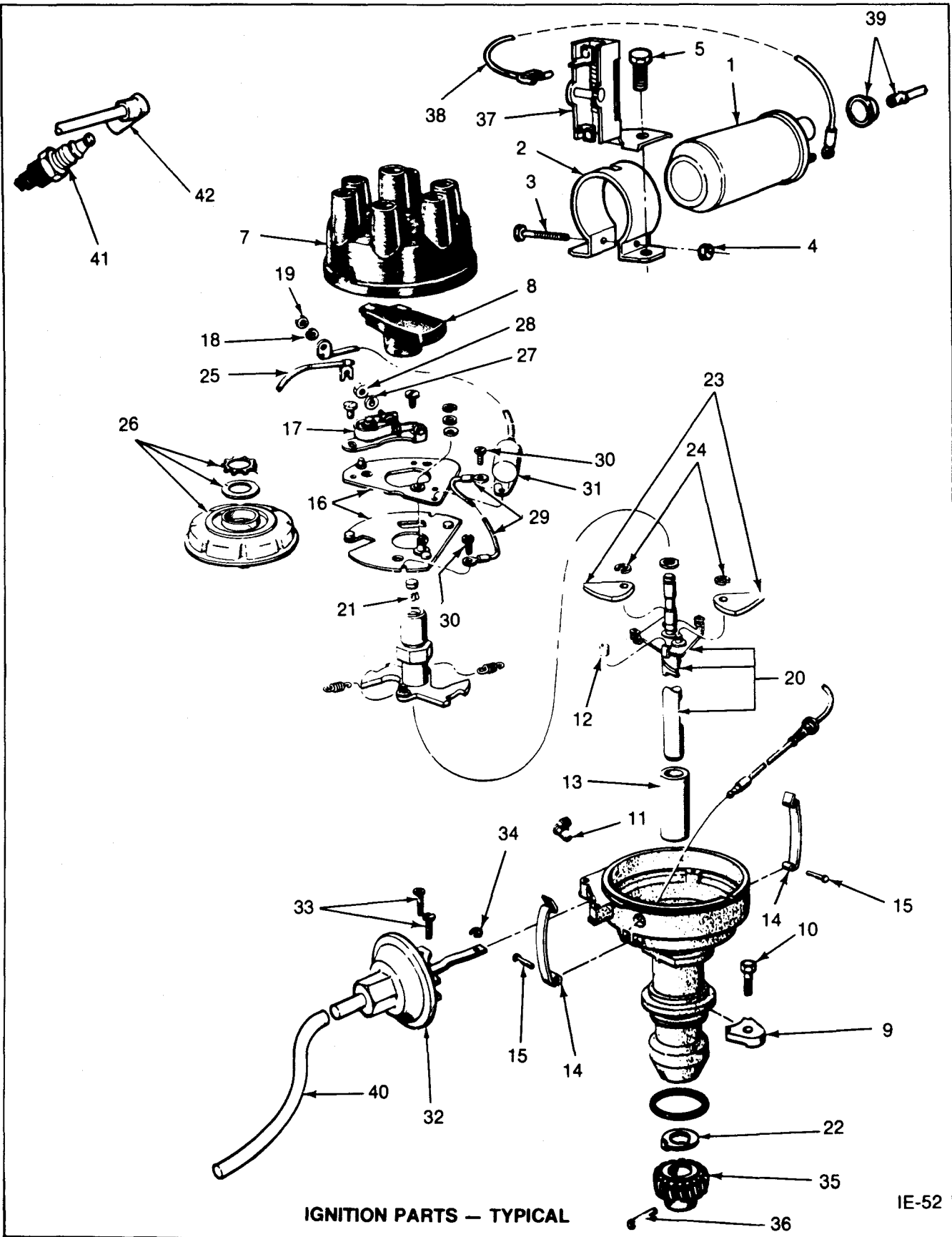
IGNITION PARTS — TYPICAL

IE-52

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		IGNITION PARTS	
		COIL ASSEMBLY	
1	70/	Coil Assembly - Ignition	1
2	70/	Strap Assembly - Ignition Coil	1
3	70/	Bolt - 8-32 x 1.75 - Strap To Coil	1
4	70/	Nut - 8-32 - Strap To Coil	1
5	70/	Screw And Washer - 5/16-18 x 5/8 - Strap To Engine	1
		DISTRIBUTOR	
6	70/	Distributor Assembly - Less Cap And Rotor	1
		CAP - DISTRIBUTOR	
7	70/	Cap	1
		ROTOR - DISTRIBUTOR	
8	70/	Rotor	1
		CLAMP - DISTRIBUTOR TO CYLINDER BLOCK	
9	70/	Clamp	1
10	70/	Screw And Washer Assy. Clamp To Block	1
		Distributor	
		CONSISTS OF:	
11		Cup - Oil	1
12		Sleeve - Shaft Plate	1
13		Bushing - Distributor Housing	1
14		Clamp - Terminal Housing Hold Down	2
15		Rivet - Terminal Housing Hold Down Clamp	2
16		Plate Assembly - Breaker - Less Points	1
17		Point Set Assembly - Breaker Arm And Contact	
		Pivot Type	1
18		Lockwasher - No. 6	1
19		Nut - No. 6-32	1
20		Shaft Assembly	1
21		Retainer - Cam	1
22		Washer - Distributor Shaft Thrust - Upper	1
23		Weight Assembly - Distributor	2
24		Washer - "C" Type	2
25		Wire Assembly - Primary Terminal	1
26		Dust Cover	1
27		Lockwasher - No. 6	1
28		Nut - No. 6-32	1
29		Wire Assembly - Distributor Breaker - Ground	1
30		Screw - No. 8-32 x 3/8 - Pan Head	2
31		Condenser Assembly	1
32		Diaphragm Assembly - Distributor	1
33		Screw - No. 8-32 x 1.00	2
34		Retainer - "C" Type Washer - Diaphragm Rod	1
35		Gear - Distributor Driven	1
36		Pin - 1/8 x 1/4 Coiled	1
		RESISTOR - IGNITION	
37	70/	Resistor - Ignition Coil	1
38	70/	Wire - Coil To Resistor	1
39	70/	Wire Assembly - Coil To Distributor - High Tension	1



IE-52

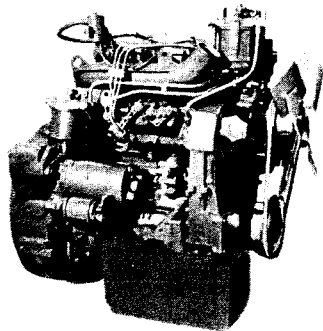
**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



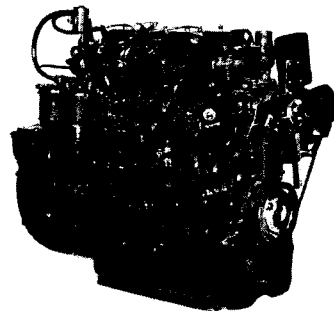
REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		IGNITION PARTS (Cont'd.)	
		HOSE - DISTRIBUTOR VACUUM	
40	70/	Hose - Distributor Vacuum.....	1
		SPARK PLUG ASSEMBLY	
41	70/	Spark Plug Assembly.....	6
42	70/	Wire Set - Spark Plug.....	1

New Additions to Your Wide World of Ford Power

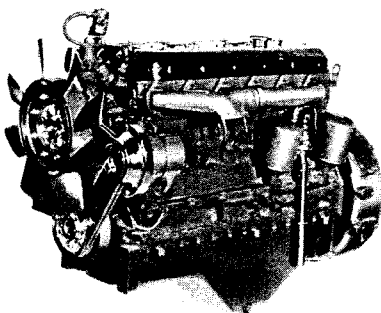
Ford wide world of power offers you these new proven performers for your engine and power unit needs. These new engines range from three to eight cylinders, V-types, in-lines, gas and diesel.



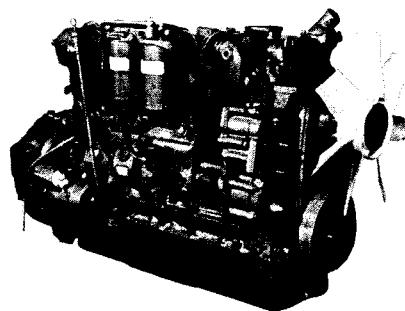
SSD-327 (Diesel)
3-Cylinder, 2.7 Litre, 168 CID



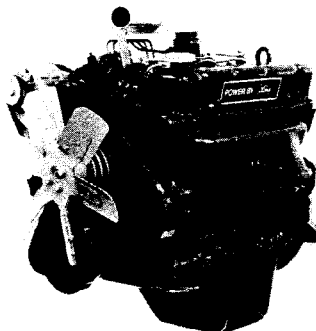
SSD-437 (Diesel)
4-Cylinder, 3.7 Litre, 224 CID



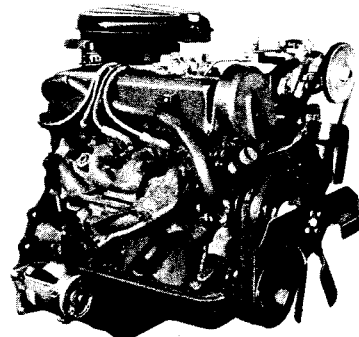
SSD-655 (Diesel)
6-Cylinder, 5.5 Litre, 335 CID



SSD-681 (Diesel)
6-Cylinder, 8.1 Litre, 495 CID

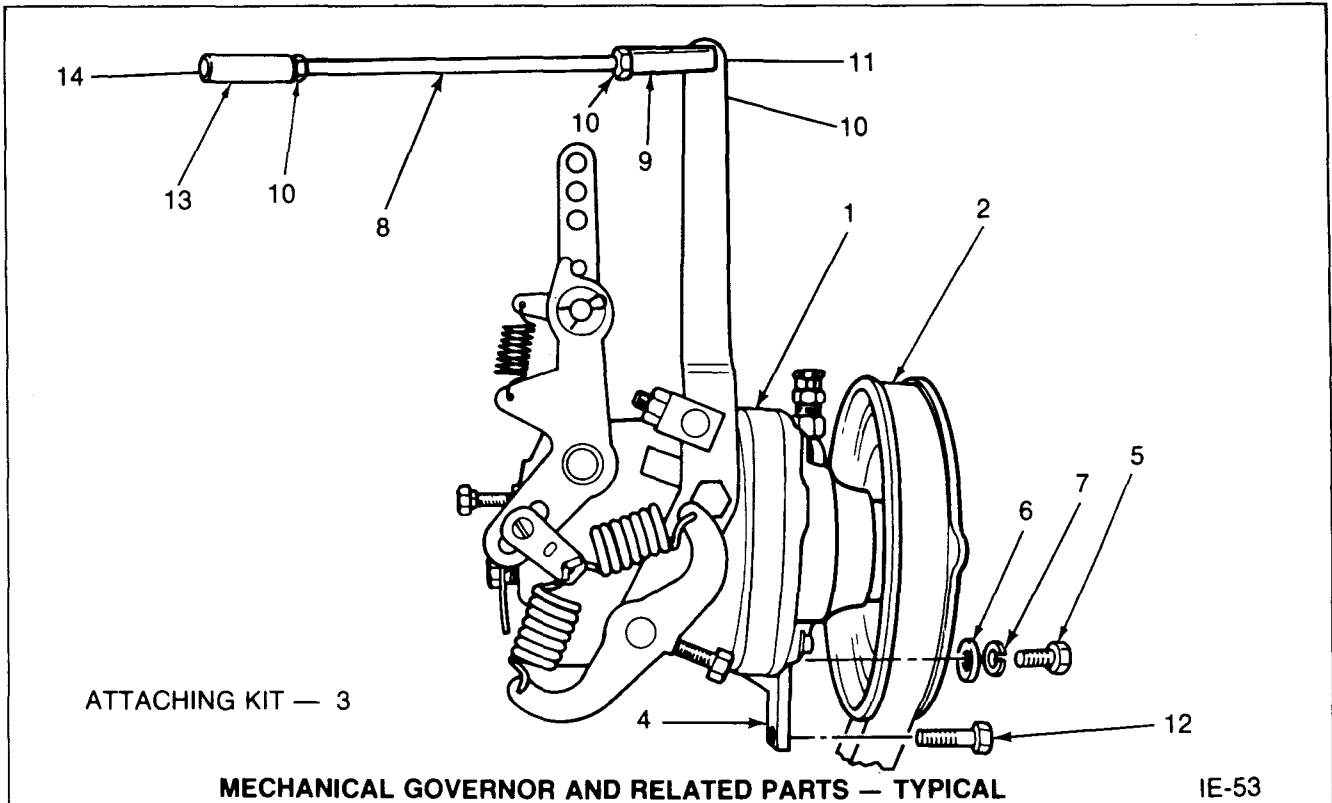


YSD-424 (Diesel)
4-Cylinder, 2.4 Litre, 144 CID

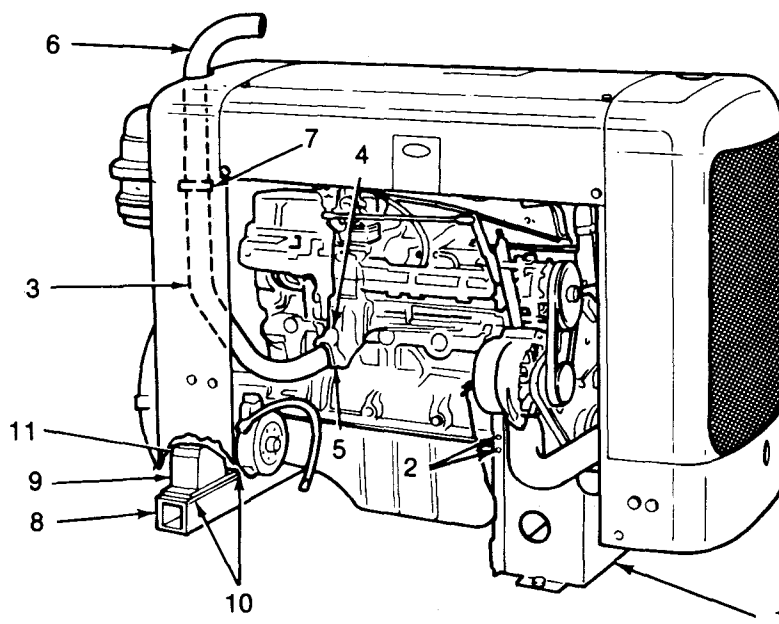


LSG-423 & LSG 633
4 & 6-Cylinder, Gasoline
2.3 Litre and 3.3 Litre

CSG 649 AND CSG 649P 300 CID GASOLINE ENGINE AND POWER UNIT



REF. NO.	YEAR	DESCRIPTION	QTY. 300
		GOVERNOR - MECHANICAL, AND RELATED PARTS	
1	70/	Governor Assembly - Variable Speed.....	1
2	70/	Belt - 3/8 x 25.625.....	1
3	70/	Kit - Governor Attaching.....	1
		CONSISTS OF:	
4		Bracket - Governor Mount.....	1
5		★ Bolt - 3/8-24 x 1.0.....	3
6		★ Washer - 3/8 Flat.....	3
7		★ Washer - 3/8 Lock.....	3
		★Bracket To Governor	
8		Rod - Throttle.....	1
9		Ball Joint - 1/4-28.....	1
10		Nut - 1/4-28 Hex.....	3
11		Washer - 1/4 Lock.....	1
12		Bolt - 3/8-16 x 1.25.....	1
13		Ball Joint - 1/4-28.....	1
14		Nut and Washer Assy. - 1/4-28.....	1



ENGINE SUPPORTS AND EXHAUST SYSTEM — TYPICAL

IE-54

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		ENGINE SUPPORTS AND EXHAUST SYSTEM	
		SUPPORT ASSEMBLY - FRONT ENGINE AND RADIATOR	
1	70/	Front Engine And Radiator Support	1
2	70/	Bolt - 7/16-14 x 7/8 Self Locking	3
	70/	Bolt - 7/16-14 x 1.5 Self Locking.....	1
	70/	Washer - 7/16 Flat	4
		PIPE - EXHAUST, AND MUFFLER INLET PIPE	
3	70/	Pipe Assembly - Exhaust	1
4	70/	Stud - 7/16-14-14 x 1.62	2
	70/	Washer - 7/16 Lock	2
	70/	Nut - 7/16-14 - Coated	2
5	70/	Gasket - Exhaust Pipe	1
6	70/	Pipe - Muffler - Inlet Extension	1
7	70/	Clamp - Muffler Inlet Pipe	1
		SUPPORT - ENGINE REAR AND TRANSMISSION	
		USED WITH TRUCK CLUTCH HOUSING	
8	70/	Bracket - Engine Rear	1
9	70/	Support - Engine Rear	2
10	70/	★Bolt - 3/8-24 x 1.62	4
	70/	★Nut - 3/8-24	4
	70/	★Washer - 3/8 Lock	4
		<i>★Attach Support To Bracket</i>	
11	70/	†Bolt - 1/2-13 x 2.0	2
	70/	†Nut - 1/2-13	2
	70/	†Washer - 1/2 Lock	2
	70/	†Washer - 1/2 Flat	2
		<i>†Attach Support To Clutch Housing</i>	
		SUPPORT - ENGINE REAR AND TRANSMISSION	
		USED WITH TORQUE CONVERTER HOUSING	
8	70/	Bracket - Engine Rear	1
9	70/	Support - Engine Rear	2
10	70/	▲Bolt - 3/8-24 x 1.62	4
	70/	▲Nut - 3/8-24	4
	70/	▲Washer - 3/8 Lock	4
		<i>▲Attach Support To Bracket</i>	
11	70/	□Bolt - 9/16-12 x 1-1/4	2
	70/	□Washer - 9/16 Lock	2
		<i>□Attach Support To Converter Housing</i>	

Ford's New SSD Diesel Series . . . in 3, 4, and 6 Cylinders

Your Ford Power products distributor has engines for a wide range of jobs!

The exciting new SSD Diesel Engine Series consists of two basic families . . .

The first family consists of:

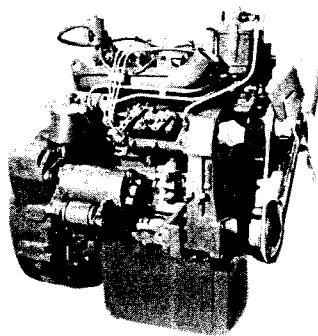
- The three cylinder, naturally aspirated SSD-327, the four cylinder SSD-437, and the six cylinder SSD-655.

The second family consists of:

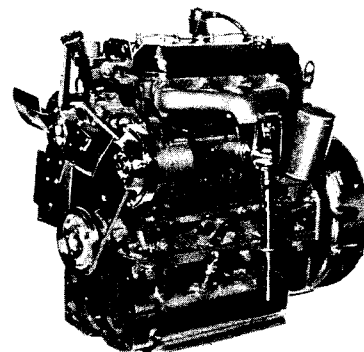
- The six cylinder SSD-681.

An important feature for the parts and service managers is that both the three and four cylinder engines share a similar bore and stroke with the 6 cylinder SSD-655M. Many parts are common to help reduce costly parts inventories.

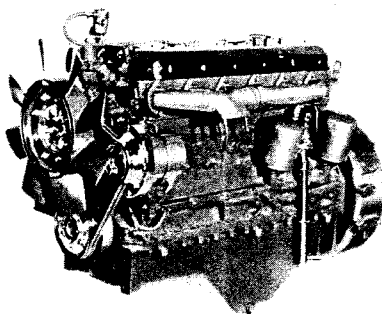
Be sure to get your parts & service from the man who knows your engine best — your Ford Power Products Distributor. He is listed on the inside cover.



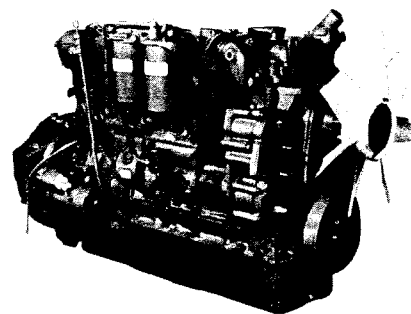
SSD-327
3 Cylinder,
2.7 Litre, 168 CID



SSD-437
4 Cylinder,
3.7 Litre, 224 CID

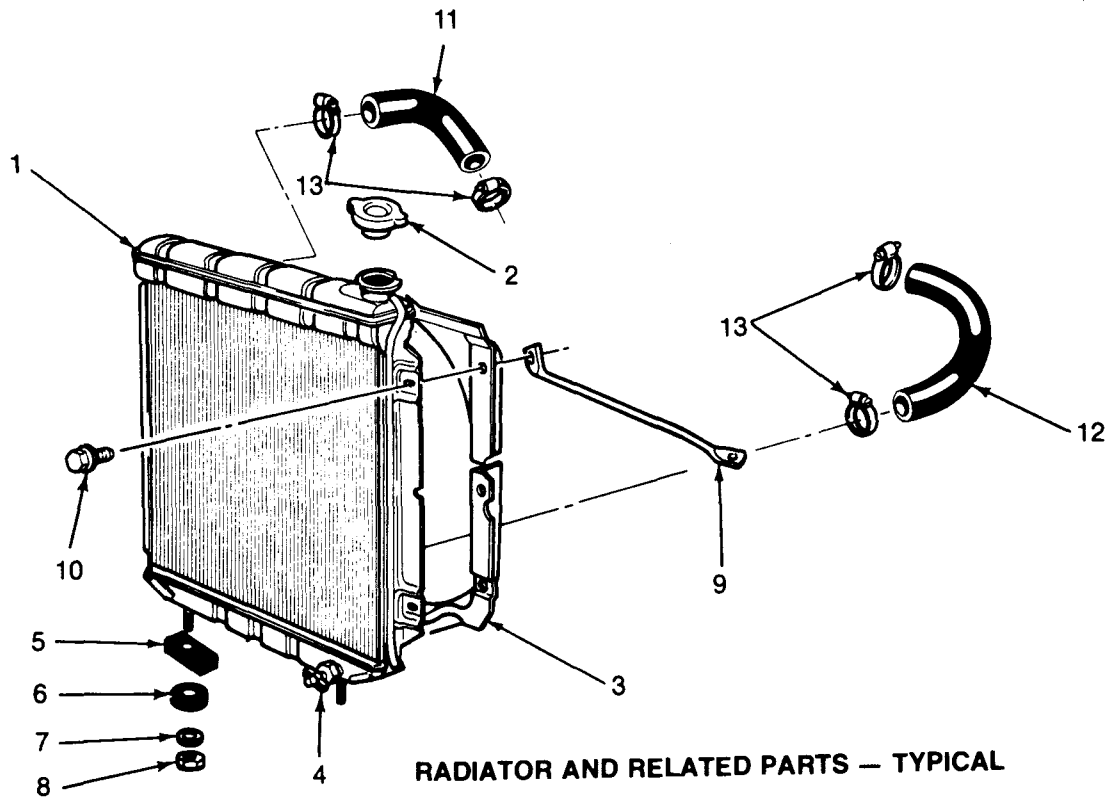


SSD-655
6 Cylinder,
5.5 Litre 335 CID



SSD-681
6 Cylinder
8.1 Litre, 495 CID

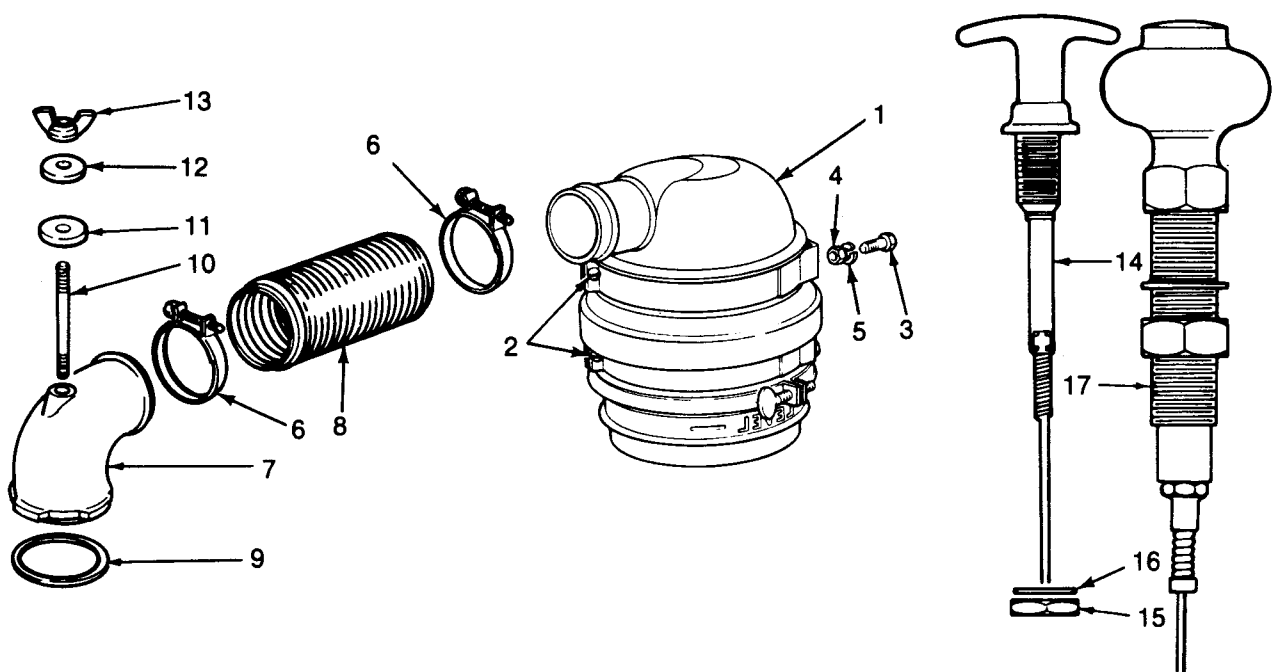
**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



RADIATOR AND RELATED PARTS — TYPICAL

IE-55

REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		RADIATOR AND RELATED PARTS	
1	70/	Radiator Assembly - 8 Fins/Inch - Use With Suction Fan Only	1
2	70/	Cap - Radiator - 7 PSI	1
3	70/	Shroud Assembly - Fan	1
4	70/	Drain Cock Assembly	1
5	70/	★Pad - Radiator	2
6	70/	★Insulator	2
7	70/	★Washer - 7/16 Flat	2
8	70/	★Nut - 7/16-14 Locking	2
		★Attach 8005 To Front Engine Support	
9	70/	Brace - Radiator - Left	1
	70/	Brace - Radiator - Right	1
10	70/	Bolt - 1/4-20 x 1/2 - Attach 8146 And 8005 To 8046	2
11	70/	Hose Assembly - Radiator Upper	1
12	70/	Hose Assembly - Radiator Lower	1
13	70/	Clamp Assembly - Radiator Hose	4



AIR CLEANER WITH RELATED PARTS, CHOKE CONTROL AND THROTTLE CONTROL — TYPICAL

1E-56

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		AIR CLEANER, CHOKE CONTROL AND THROTTLE CONTROL	
		AIR CLEANER - USE WITH HOLLEY 1904 CARBURETOR	
1	70/76	Air Cleaner.....	1
2	70/76	Clamp - Mounting Bracket.....	2
3	70/76	Bolt - 5/16-24 x 5/8.....	4
4	70/76	Nut - 5/16-24.....	4
5	70/76	Washer - 5/16 Lock.....	4
6	70/76	Clamp - Air Horn to Air Cleaner Hose.....	2
7	70/76	Air Horn.....	1
8	70/76	Hose - Air Horn To Air Cleaner.....	1
9	70/76	Gasket - Air Horn To Carburetor.....	1
		AIR CLEANER - USE WITH 1940 CARBURETOR	
1	76/	Air Cleaner.....	1
2	76/	Clamp - Mounting Bracket.....	2
3	76/	Bolt - 5/16-24 x 5/8.....	4
4	76/	Nut - 5/16-24.....	4
5	76/	Washer - 5/16 Lock.....	4
6	76/	Clamp - Air Horn To Air Cleaner Hose.....	2
7	76/	Air Horn.....	1
8	76/	Hose - Air Horn To Air Cleaner.....	1
9	76/	Gasket - Air Horn To Carburetor.....	1
10	76/	Stud - 1/4-20-20 x 3.13.....	1
11	76/	Seal.....	1
12	76/	Washer - 11/32 Flat.....	1
13	76/	Nut - 1/4-20 Wing.....	1
		CONTROL - CHOKE - FOR MECHANICAL GOVERNOR INSTALLATION	
14	70/	Choke Control.....	1
15	70/	Nut - 9/16-18.....	1
16	70/	Washer - 9/16 Int. Lock.....	1
		CONTROL - THROTTLE - VERNIER TYPE	
17	70/	Throttle Control Assembly - Use With Mechanical Governor.....	1
	70/	Clevis Assembly.....	1
	70/	Pin - Clevis 1/4 x 13/16.....	1
	70/	Washer - 1/4 Flat.....	1
	70/	Pin - Cotter 1/16 x 3/4.....	1
	70/	Clip.....	1



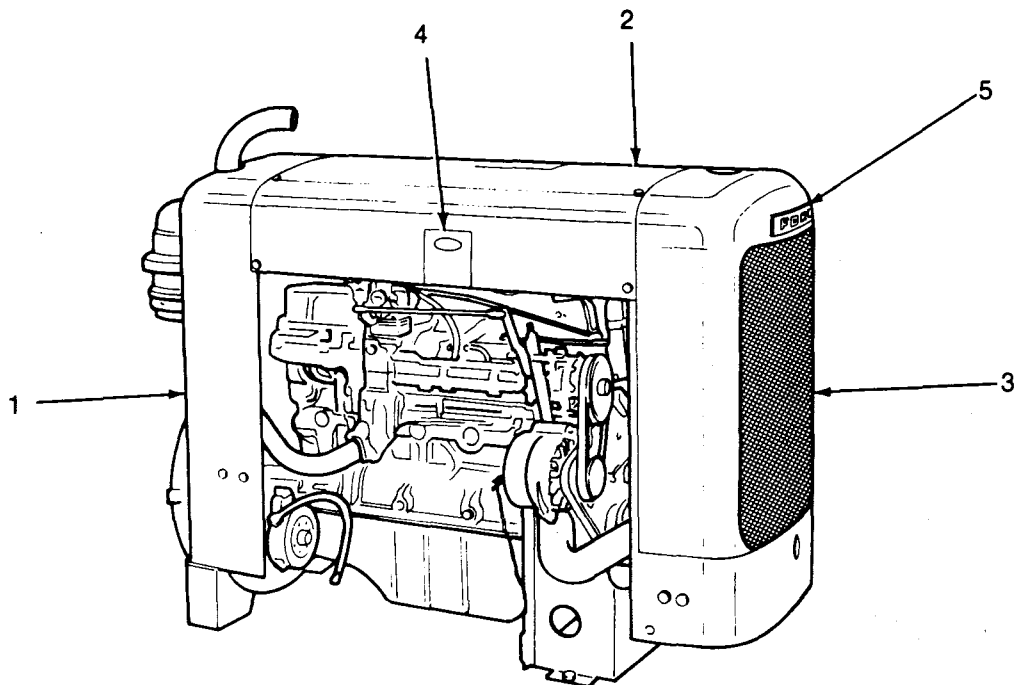
CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT

REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		INSTRUMENTS AND WIRING - 12V 42 AMP FORD ALTERNATOR INSTALLATION ONLY	
	70/75	Gauge - Water Temperature	1
	70/75	Bracket - Water Temperature Gauge	1
	70/75	Nut And Lockwasher - Attach Bracket To Gauge	2
	70/75	Adapter - Water Temperature	1
	70/75	Clamp	1
	70/75	Button Assembly - Starter	1
	70/75	Lamp Assembly - Signal - Oil Pressure	1
	70/75	Lamp Assembly - Signal - Alternator	1
	70/75	Bulb - Lamp 12V - 4 Amp Warning Light	2
	70/75	Switch Assembly - Ignition With Keys	1
	70/75	Connector - Double	2
	70/75	Connector - Single	1
	70/75	Relay - Starter Motor	1
	70/75	Screw - 1/4-20 x .625	2
	70/75	Washer - 1/4 Lock	2
	70/75	Nut - 1/4-20	2
	70/75	Cable Assembly - Relay To Starter	1
	70/75	Clip - Harness	1
	70/75	Bolt - 7/16-14 x 5/8	1
	70/75	Washer - 7/16 Lock	1
	70/75	Clip	1
	70/75	Clip	2
	70/75	Wiring Harness - Alternator To Voltage Regulator	1
	70/75	Wire Assembly - Resistor To Ignition	1
	70/75	Nut - 1/4-28 Hex	2
	70/75	Washer - 1/4 Lock	2
	70/75	Regulator - Alternator - 12V - 42 Amp	1
		INSTRUMENTS AND WIRING - 12V - 37 AMP MOTOROLA ALTERNATOR INSTALLATION ONLY	
	75/	Gauge - Water Temperature	1
	75/	Bracket - Water Temperature Gauge	1
	75/	Nut And Lockwasher - 10-32 - Attach Bracket To Temperature Gauge	2
	75/	Adapter - Water Temperature Gauge	1
	75/	Clamp - Water Temperature Gauge	1
	75/	Button - Starter	1
	75/	Switch - Ignition	1
	75/	Socket - Alternator Warning Light	1
	75/	Socket - Oil Pressure Warning Light	1
	75/	Bulb - Warning Light	2
	75/	Relay - Starter Motor	1
	75/	Screw - 1/4-20 x .625	2
	75/	Washer - 1/4 Lock	2
	75/	Nut - 1/4-20	2
	75/	Regulator - Voltage	1
	75/	Screw - 10-32 x .50 - Regulator To Panel	3
	75/	Nut And Lockwasher - 10-32 - Regulator To Panel	3
	75/	Cable - Starter Relay To Starter	1
	75/	Harness - Main Wiring	1

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		INSTRUMENT AND WIRING - 12V - 37 AMP MOTOROLA ALTERNATOR INSTALLATION ONLY (Cont'd.)	
	75/	★Washer - 1/4 Lock.....	1
	75/	★Nut - 1/4-20.....	1
	75/	★Washer - No. 10 Lock.....	2
	75/	★Nut - No. 10-24.....	2
		<i>★Attach Main Harness To Alternator</i>	
	75/	†Washer - 5/16 Lock.....	2
	75/	†Nut 5/16-18.....	2
		<i>†Attach Main Harness To Starter Relay</i>	
	75/	Connector - Warning Light Socket To Main Harness.....	1
	75/	Clip - Main Wiring Harness To Front Cover And Block.....	2
	75/	Bolt - 7/16-14 x .625.....	1
	75/	Washer - 7/16 Lock.....	1
	75/	Clip - Main Wiring Harness To Push Rod Cover.....	2



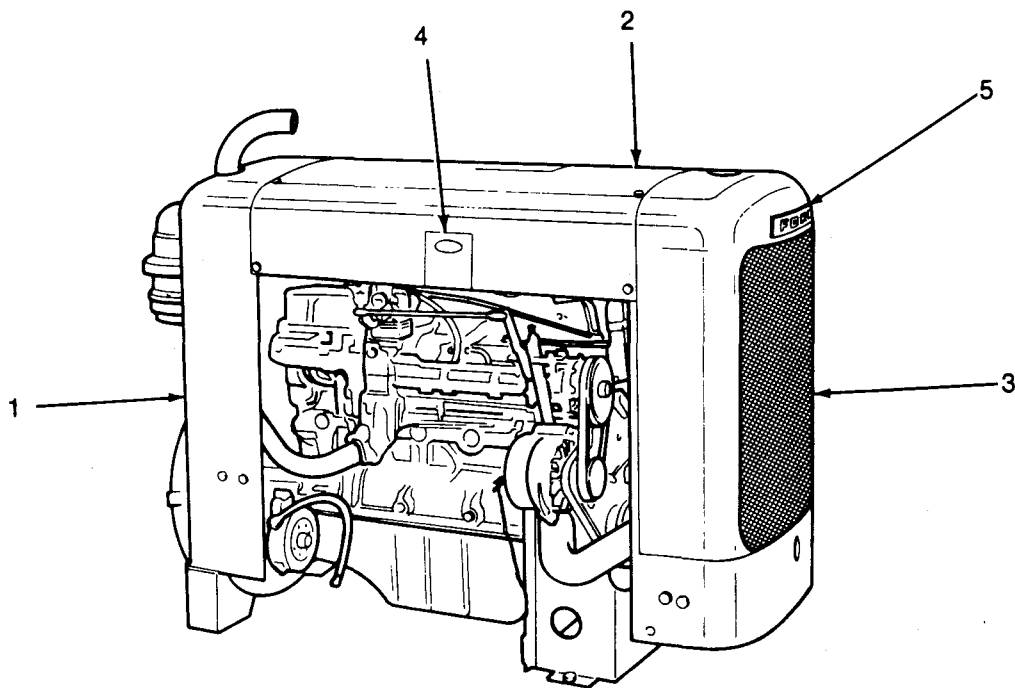
POWER UNIT SHEET METAL AND RELATED PARTS — TYPICAL

1E-57

CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		SHEET METAL AND RELATED PARTS	
		HOOD TOP, REAR PANEL AND RADIATOR SHELL FOR SAE HOUSINGS	
1	70/	Bracket - Rear Panel To Housing Cover	1
	70/	Bracket - Rear Panel To Rear Engine Plate	2
	70/	Panel Assembly - Rear	1
	70/	Bolt - 5/16-24 x 7/8 Washer Head	20
	70/	Washer - 5/16 Lock	6
	70/	Nut - 5/16-24	6
2	70/	Panel Assembly - Hood Top	1
3	70/	Shell Assembly - Radiator	1
4	70/	Decal	2
5	70/	Ford Emblem	1
	70/	Nut - Sleeve	4
		HOOD TOP, REAR PANEL AND RADIATOR SHELL USE WITH CLUTCH HOUSING	
1	70/	Panel Assembly - Rear	1
	70/	Bracket - Rear Panel To Clutch Housing - Center	1
	70/	Bolt - 5/16-24 x 7/8 Washer Head	20
	70/	Washer - 5/16 Lock	6
	70/	Nut - 5/16	6
	70/	Bracket - Rear Panel To Engine - Left	1
	70/	Screw And Washer Assembly - 5/16-18 x .62	1
	70/	Bracket - Rear Panel To Engine - Right	1
	70/	Bolt - 3/8-16 x 1.12 Self Locking	1
2	70/	Panel Assembly - Hood Top	1
3	70/	Shell Assembly - Radiator	1
4	70/	Decal - Pressure Sensitive	2
5	70/	Ford Emblem	1
	70/	Nut - Sleeve	4
		HOOD TOP, REAR PANEL AND RADIATOR SHELL FOR SPLIT-TYPE HOUSING	
1	70/75	Panel Assembly - Rear	1
	70/75	Bracket - Rear Panel To SAE Housing Cover	1
	70/75	Bracket - Rear Panel To Rear Engine Plate	2
	70/75	Bolt - 5/16-24 x 7/8 Washer Head	20
	70/75	Washer - 5/16 Lock	6
	70/75	Nut - 5/16-24 Hex	6
2	70/75	Panel Assembly - Hood Top	1
3	70/75	Shell Assembly - Radiator	1
4	70/75	Decal	1
5	70/75	Ford Emblem	1
	70/75	Nut - Sleeve	4



POWER UNIT SHEET METAL AND RELATED PARTS — TYPICAL

1E-57

**CSG 649 AND CSG 649P
300 CID
GASOLINE ENGINE AND POWER UNIT**



REF. NO.	YEAR	DESCRIPTION	QTY.
			300
		SHEET METAL AND RELATED PARTS (Cont'd.)	
		HOOD TOP, REAR PANEL AND RADIATOR SHELL USE WITH CONVERTER HOUSING	
1	70/	Panel Assembly - Rear	1
	70/	Bracket - Rear Panel To Converter Housing - Center	1
	70/	Bolt - 5/16-24 x 7/8 Washer Head	20
	70/	Washer - 5/16 Lock	6
	70/	Nut - 5/16-24	6
	70/	Bracket - Rear Panel To Engine - Left	1
	70/	Screw And Washer Assembly - 5/16-18 x .62	1
	70/	Bracket - Rear Panel To Engine - Right	1
	70/	Bolt - 3/8-16 x 1.12 Self Locking	1
2	70/	Panel Assembly - Hood Top	1
3	70/	Shell Assembly - Radiator	1
4	70/	Decal	2
5	70/	Ford Emblem	1
	70/	Nut - Sleeve	4
		HOOD TOP, REAR PANEL, AND RADIATOR SHELL WITH VERNIER MOUNT THROTTLE - USE WITH FOOT MOUNTED UNIT - LESS REAR HOUSING	
1	70/	Panel Assembly - Rear	1
	70/	Bracket - Upper	1
	70/	Bracket - Side Left	1
	70/	Bracket - Side Right	1
	70/	Bolt - 5/16-24 x 7/8 Washer Head	18
	70/	Washer - 5/16 Lock	4
	70/	Nut - 5/16-24	4
2	70/	Panel Assembly - Hood Top	1
3	70/	Shell Assembly - Radiator	1
4	70/	Decal	2
	70/	Bolt - 7/16-14 x 1-5/8	4
	70/	Washer - 7/16 Lock	4
5	70/	Ford Emblem	1
	70/	Nut - Sleeve	4