Ford
Power Products

PARTS LIST

BSD-444 AND BSD-444T
268 C.I.D.
DIESEL 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.

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.

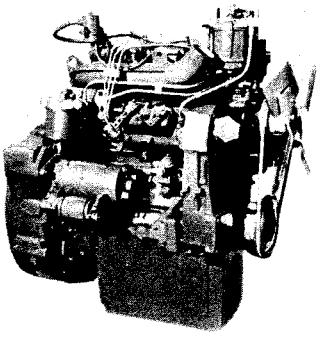
72/75 Parts used for a period of years and then discontinued are indicated in the year column by a commencing and finishing year.

75/ Parts still used in current production are indicated by the commencing year followed by a slant (/).

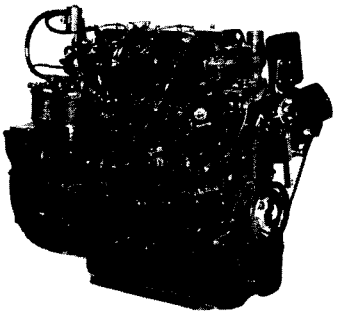
NOTE: The descriptions and specifications contained in this manual were in effect at the time the book was released for printing. Ford Motor Company reserves the right to discontinue models at any time, or change specifications or design, without notice and without incurring obligation.

New Additions to Your Wide World of Ford Power

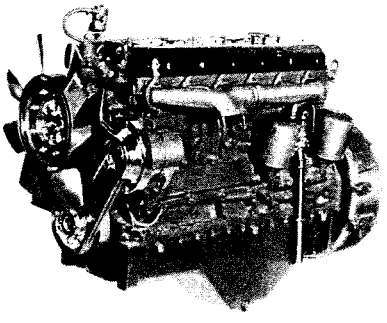
Ford wide world of power offers you these new proven performers for your engine and power unit needs. These new engines range from three to eight cylinders, V-types, in-lines, gas and diesel.



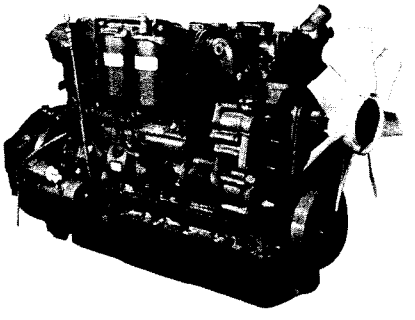
SSD-327 (Diesel)
3-Cylinder, 2.7 Litre, 168 CID



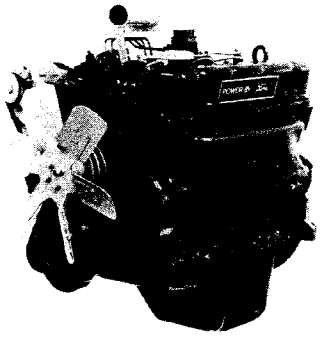
SSD-437 (Diesel)
4-Cylinder, 3.7 Litre, 224 CID



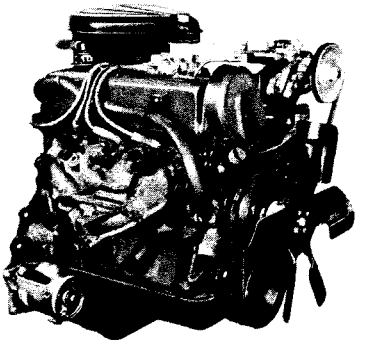
SSD-655 (Diesel)
6-Cylinder, 5.5 Litre, 335 CID



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

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

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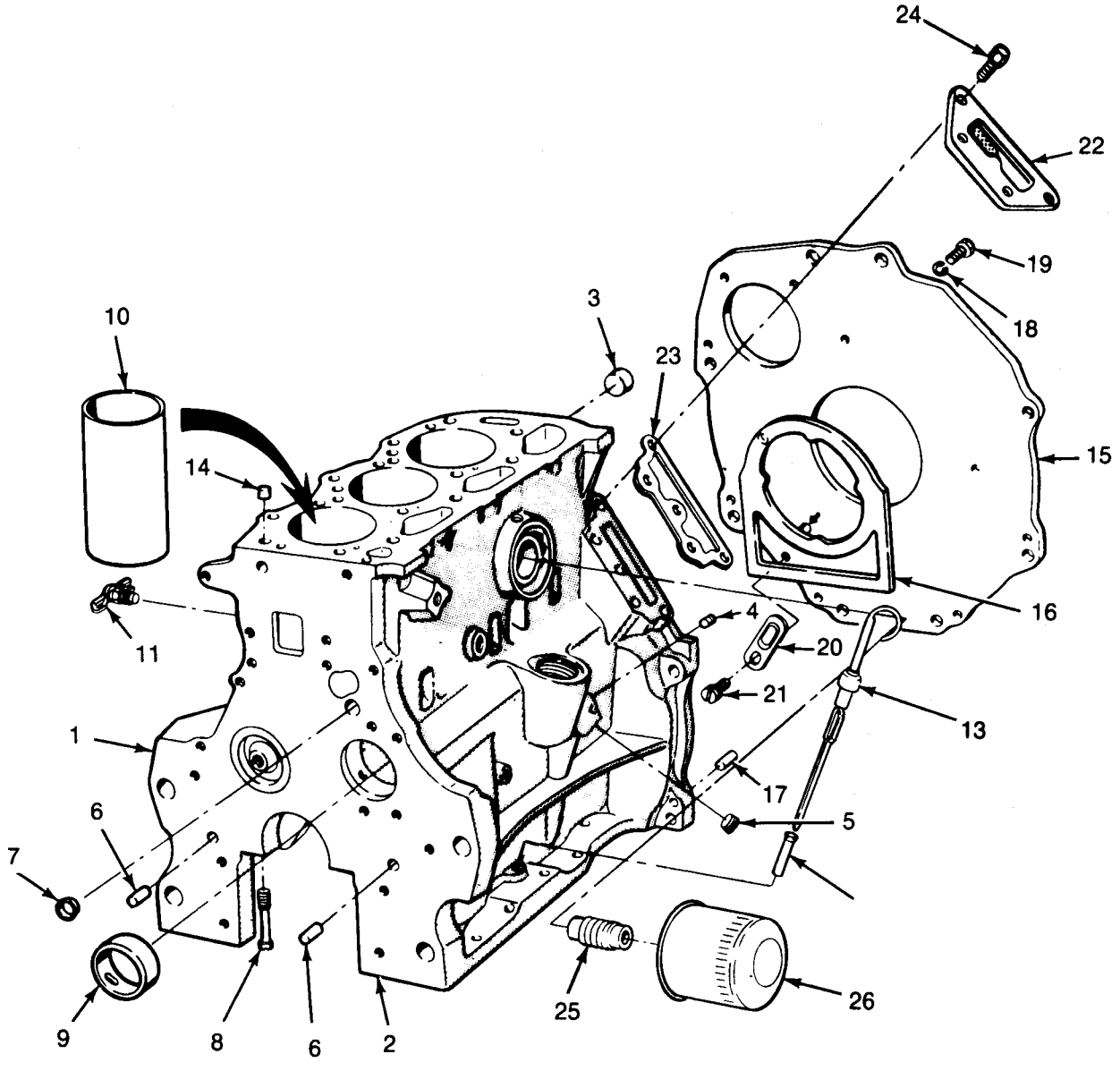
January, 1982
194-240A

Ford Power Products



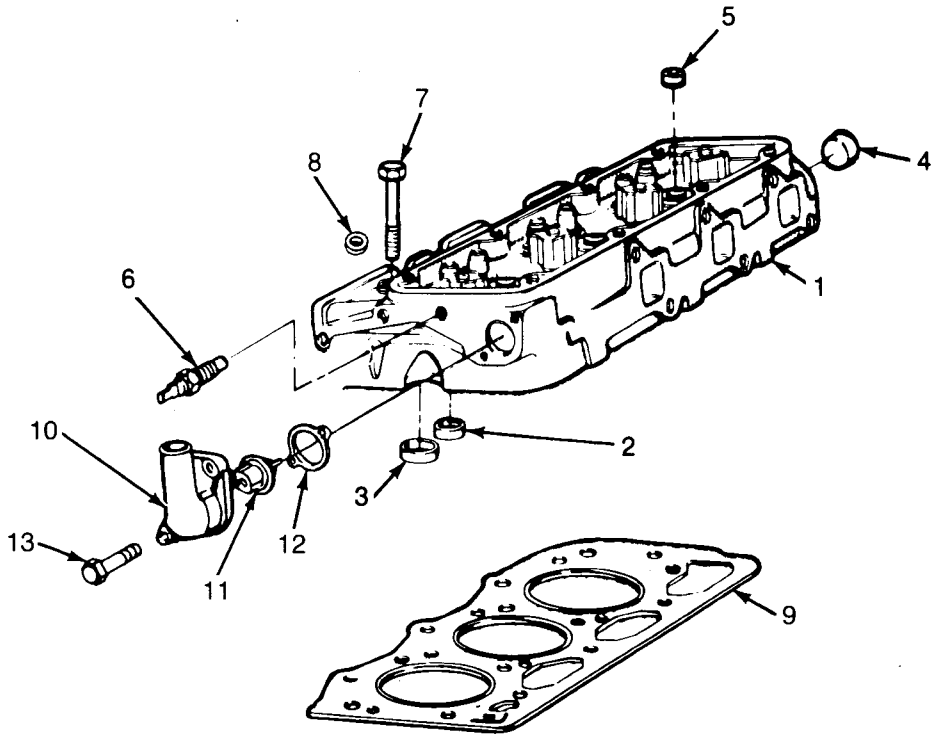
CYLINDER BLOCK AND RELATED PARTS — TYPICAL

IE-67A

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		CYLINDER BLOCK AND RELATED PARTS		
		CYLINDER ASSEMBLY		
		INCLUDES CYLINDER WITH ALL INTERNAL PARTS OF ENGINE. BUT DOES NOT INCLUDE CYLINDER HEAD, OIL PAN OR FRONT COVER.		
1	81/	Cylinder Assembly	1	
	81/	Cylinder Assembly		1
		BLOCK ASSEMBLY - CYLINDER		
2	81/	Block	1	
	81/	Block		1
3	81/	Plug - 1.762-1.760 O.D. Cup	2	2
	81/	Plug - 1.50 O.D. Cup	2	2
	81/	Plug - 1.56 O.D. Cup (O/S)	AR	AR
4	81/	Plug - 1/8-27 Pipe	2	2
5	81/	Plug - 3/8-18 Drain	2	2
6	81/	Dowel - 3/8 x 1-1/8	2	2
7	81/	Plug - .636 Cup	1	1
8	81/	Bolt - 9/16-12 x 4.45	10	10
9	81/	Bearing - Camshaft	5	5
10	81/	Sleeve - Block — 4.40 Bore	4	4
11	81/	Drain Cock	1	1
12	81/	Tube - Oil Level Indicator	1	1
13	81/	Indicator - Oil Level	1	1
14	81/	Dowel - .676 x .44 Split	2	2
15	81/	Plate - Engine Rear Cover	1	1
16	81/	Gasket - Block to Engine Rear Plate	1	1
17	81/	Dowel - Block to Flywheel Housing	2	2
18	81/	Washer - 3/8 Lock	3	3
19	81/	Bolt - 3/8-16 x .75	3	3
20	81/	Cover - Flywheel Access	1	1
21	81/	Screw and Washer - 5/16-18 x 5/8	1	1
22	81/	Cover - Hyd. Pump Flange	1	1
23	81/	Gasket - Hyd. Pump Flange Cover	1	1
24	81/	Bolt - 3/8-16 x .75	4	4
25	81/	Insert - Oil Filter Mounting	1	1
26	81/	Oil Filter	1	
	81/	Oil Filter		1



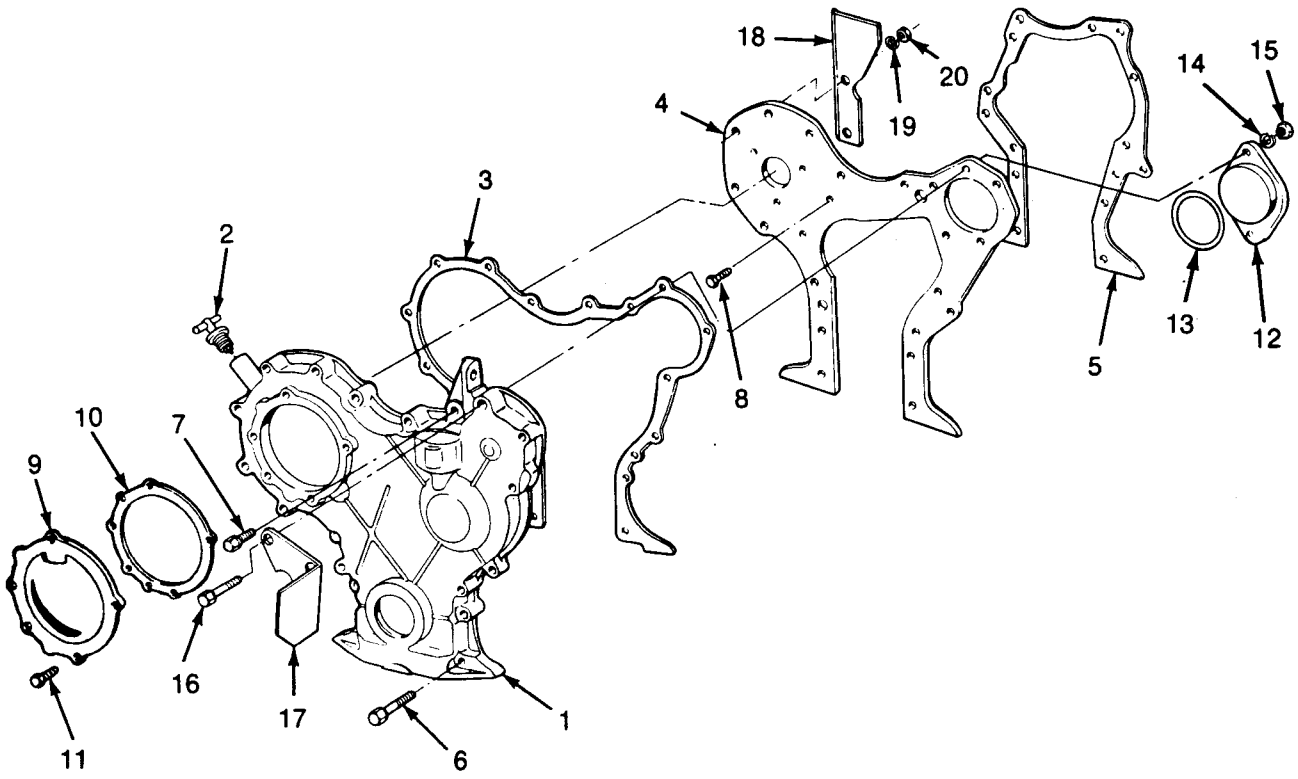
CYLINDER HEAD AND RELATED PARTS — TYPICAL

IE-68A

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		CYLINDER HEAD AND RELATED PARTS		
		CYLINDER HEAD		
1	81/	Head	1	
	81/	Head		1
2	81/	Insert - Intake Valve Seat - Standard	4	
	81/	Insert - Intake Valve Seat - .010 O/S	AR	
	81/	Insert - Intake Valve Seat - .020 O/S	AR	
	81/	Insert - Intake Valve Seat - .030 O/S	AR	
	81/	Insert - Intake Valve Seat - Standard		4
	81/	Insert - Intake Valve Seat - .010 O/S		AR
	81/	Insert - Intake Valve Seat - .020 O/S		AR
	81/	Insert - Intake Valve Seat - .030 O/S		AR
3	81/	Insert - Exhaust Valve Seat - Standard	4	4
	81/	Insert - Exhaust Valve Seat - .010 O/S	AR	AR
	81/	Insert - Exhaust Valve Seat - .020 O/S	AR	AR
	81/	Insert - Exhaust Valve Seat - .030 O/S	AR	AR
4	81/	Plug - 1.760 Cup - Std.	1	1
	81/	Plug - 1.185 - Cup - O/S	AR	AR
	81/	Plug - 1.814 - Cup - O/S	AR	AR
5	81/	Plug - 1.12 - Cup	4	4
6	81/	Sender Assembly - Water Temp. Indicator	1	1
7	81/	Bolt - 1/2-13 x 4.75	13	13
8	81/	Washer - 1/2 Flat	13	13
9	81/	Gasket - Cylinder Head	1	1
10	81/	Connection - Water Outlet	1	1
11	81/	Thermostat Assembly - Water - (168°)	1	1
12	81/	Gasket - Water Outlet Connection	1	1
13	81/	Bolt - 5/16-18 x 2.375 - Conn. to Cyl. Head	2	2



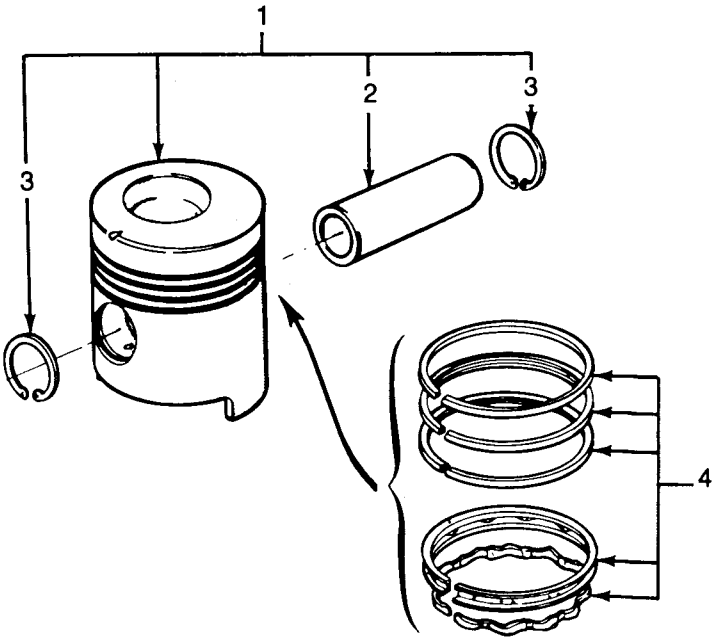
CYLINDER FRONT COVER AND RELATED PARTS — TYPICAL

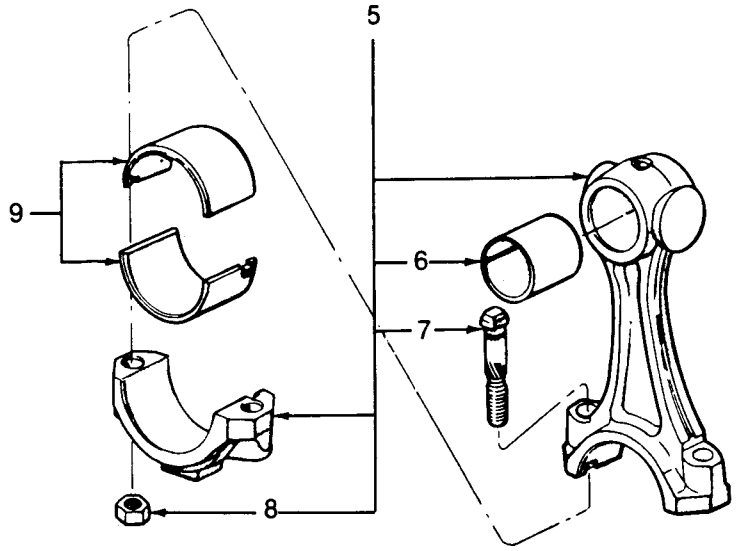
IE-69A

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		CYLINDER FRONT COVER AND RELATED PARTS		
		CYLINDER FRONT COVER		
1	81/	Cover	1	1
2	81/	Cap Assembly - Oil Filler	1	1
3	81/	Gasket - Cylinder Front Cover	1	1
4	81/	Plate - Engine Front Cover	1	1
5	81/	Gasket - Engine Front Plate	1	1
6	81/	Screw and Washer Assembly - 5/16-18 x 2.12	12	12
	81/	Screw and Washer Assembly - 5/16-18 x 2.50	2	2
7	81/	Screw and Washer Assembly - 5/16-18 x 1.38	1	1
8	81/	Bolt - 5/16-18 x 3/4 - Locking	4	4
9	81/	Cover - Fuel Injection Pump Timing	1	1
10	81/	Gasket - Timing Cover	1	1
11	81/	Bolt - 5/16-18 x .68	5	5
12	81/	Cover - Power Steering Pump	1	1
13	81/	"O"-Ring	1	1
14	81/	Washer - 3/8 Lock	2	2
15	81/	Nut - 3/8-16	2	2
16	81/	Bolt - 3/8-16 x 2.50	2	2
17	81/	Deflector - Air L.H.	1	1
18	81/	Deflector - Air R.H.	1	1
19	81/	Washer - 5/16 Lock	2	2
20	81/	Nut - 5/16-18	2	2





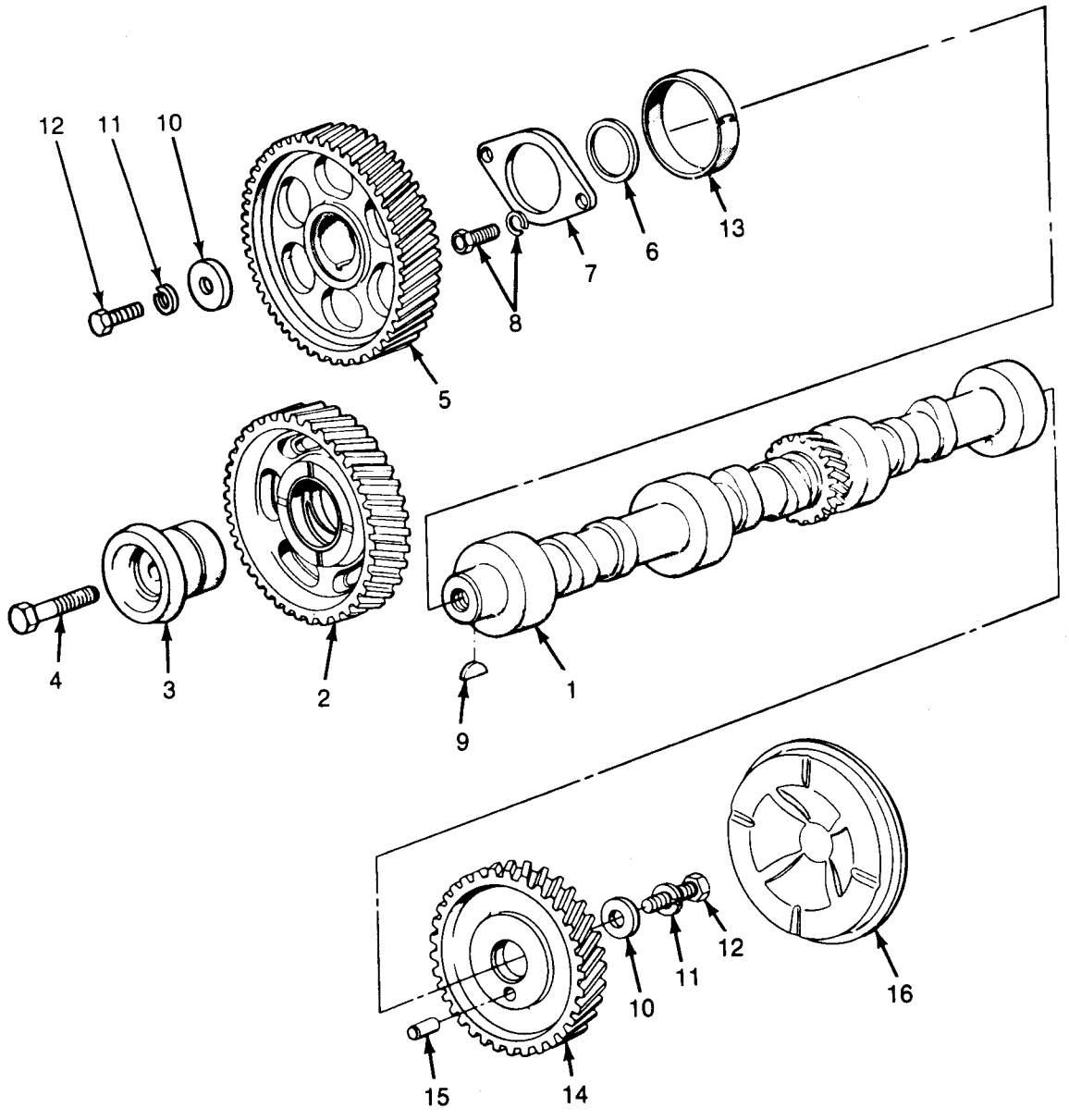
PISTONS AND CONNECTING RODS — TYPICAL

IE-73A

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		PISTONS, CONNECTING RODS AND RELATED PARTS		
1	81/	Piston, Pin and Retainer Set - Standard	4	
	81/	Piston, Pin and Retainer Set - .004 O/S	AR	
	81/	Piston, Pin and Retainer Set - .020 O/S	AR	
	81/	Piston, Pin and Retainer Set - .030 O/S	AR	
	81/	Piston, Pin and Retainer Set - .040 O/S	AR	
	81/	Piston, Pin and Retainer Set - Standard		4
	81/	Piston, Pin and Retainer Set - .004 O/S		AR
	81/	Piston, Pin and Retainer Set - .020 O/S		AR
	81/	Piston, Pin and Retainer Set - .030 O/S		AR
	81/	Piston, Pin and Retainer Set - .040 O/S		AR
2	81/	Pin - Piston	4	
	81/	Pin - Piston		4
3	81/	Retainer - Piston Pin	4	
	81/	Retainer - Piston Pin		4
4	81/	Kit - Piston Ring - Standard	4	
	81/	Kit - Piston Ring - .020 O/S	AR	
	81/	Kit - Piston Ring - .030 O/S	AR	
	81/	Kit - Piston Ring - .040 O/S	AR	
	81/	Kit - Piston Ring - Standard		4
	81/	Kit - Piston Ring - .020 O/S		AR
	81/	Kit - Piston Ring - .030 O/S		AR
	81/	Kit - Piston Ring - .040 O/S		AR
5	81/	Rod Assembly - Connecting	4	
	81/	Rod Assembly - Connecting		4
6	81/	Bushing - Connecting Rod	4	
	81/	Bushing - Connecting Rod		4
7	81/	Bolt - Connecting Rod	8	8
8	81/	Nut - Connecting Rod	8	8
9	81/	Liner Kit - Bearing - Standard - Red	4	
	81/	Liner Kit - Bearing - Standard - Blue	AR	
	81/	Liner Kit - Bearing - .002 U/S	AR	
	81/	Liner Kit - Bearing - .010 U/S	AR	
	81/	Liner Kit - Bearing - .020 U/S	AR	
	81/	Liner Kit - Bearing - .030 U/S	AR	
	81/	Liner Kit - Bearing - .040 U/S	AR	
	81/	Liner Kit - Bearing - Standard		4
	81/	Liner Kit - Bearing - .002 U/S		AR
	81/	Liner Kit - Bearing - .010 U/S		AR
	81/	Liner Kit - Bearing - .020 U/S		AR
	81/	Liner Kit - Bearing - .030 U/S		AR
	81/	Liner Kit - Bearing - .040 U/S		AR



CAMSHAFT, GEARS AND RELATED PARTS — TYPICAL

IE-71A

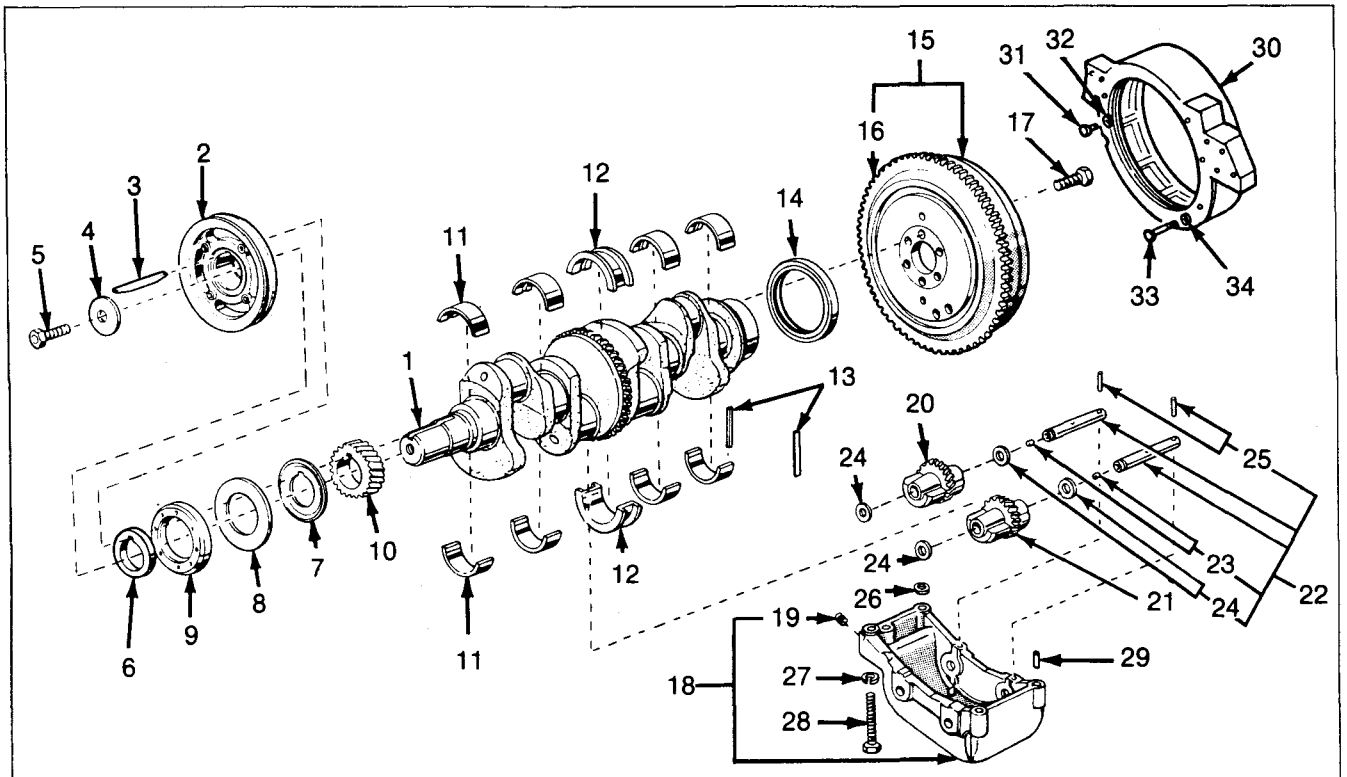
BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		CAMSHAFT, GEARS AND RELATED PARTS		
1	81/	Camshaft	1	1
2	81/	Gear Assembly - Camshaft Drive	1	1
3	81/	Adapter - Camshaft Drive Gear	1	1
4	81/	Bolt - 1/2-20 x 2.12 - Gear to Block	1	1
5	81/	Gear - Camshaft	1	1
6	81/	Spacer - Camshaft Gear	1	1
7	81/	Plate - Camsmaft Thrust	1	1
8	81/	Screw & Lockwasher Assembly - 5/16-18 x .75	2	2
9	81/	Key - 3/16 x .75 - Gear to Camshaft	1	1
10	81/	Washer - 7/16 Flat	2	1
11	81/	Washer - 7/16 Lock	2	1
12	81/	Bolt - 7/16-14 x 1.25 - Gear to Camshaft	2	1
13	81/	Bearing - Camshaft	5	5
14	81/	Gear - Camshaft Hyd. Pump Drive (Includes Ref. No. 15)	1	
15	81/	Pin - 5/16 x 5/8 Dowel	1	
16	81/	Cover - Camshaft Hyd. Pump Drive Gear	1	1

Ford Power Products

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE



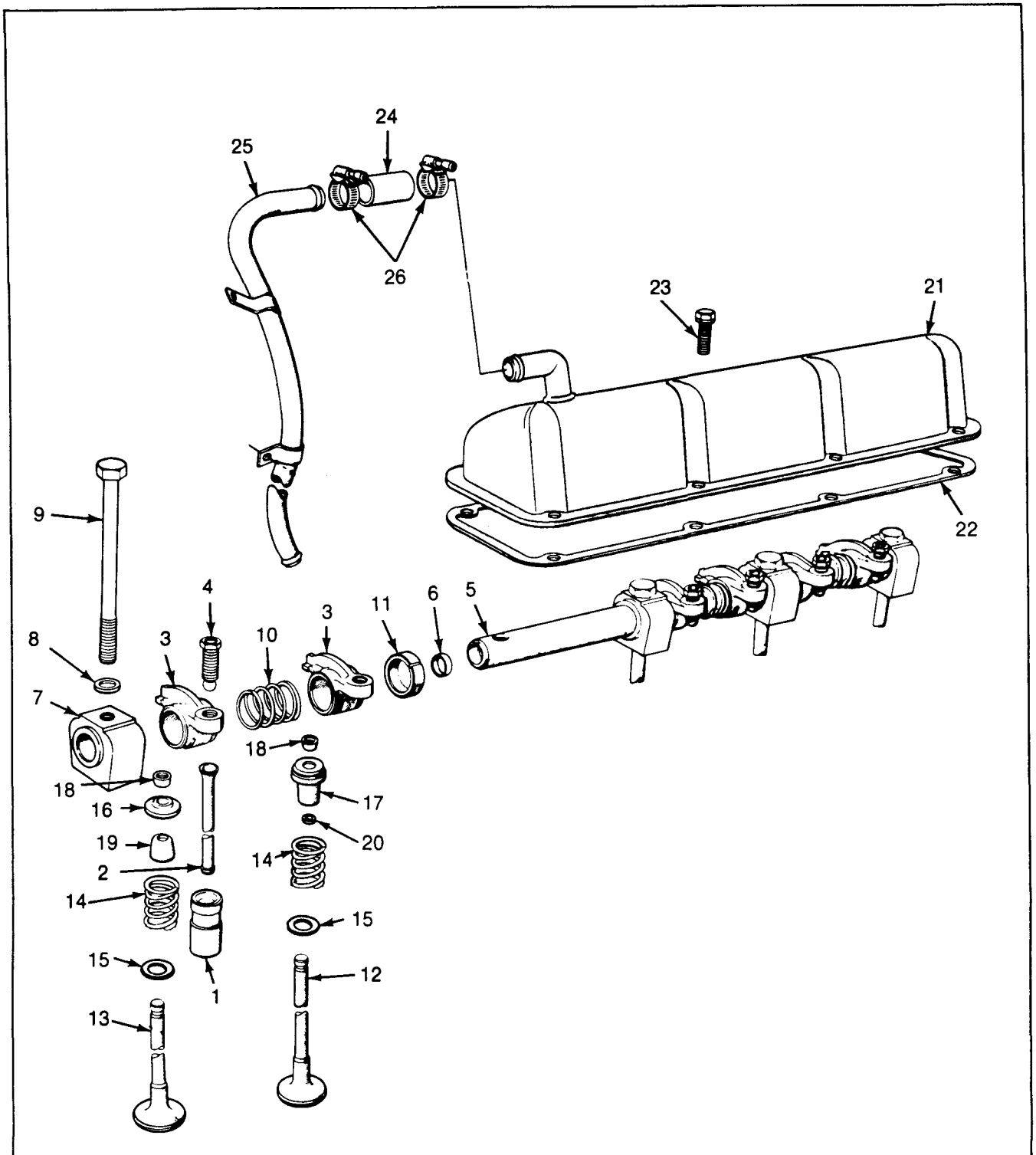
CRANKSHAFT, FLYWHEEL AND RELATED PARTS — TYPICAL

IE-70A

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		CRANKSHAFT, FLYWHEEL AND RELATED PARTS		
1	81/	Crankshaft	1	1
2	81/	Pulley - Crankshaft	1	1
3	81/	Key - 5/16 x 3/8 x 2.86	1	1
4	81/	Washer - 3/4 Flat	1	1
5	81/	Bolt - 3/4-16 x 1.75	1	1
6	81/	Spacer - Pulley	1	1
7	81/	Slinger - Oil	1	1
8	81/	Seal - Front Dust	1	1
9	81/	Seal Assembly - Front Oil	1	1
10	81/	Gear - Crankshaft	1	1
11	81/	Liner - Main Bearing - Standard - Red	4	4
	81/	Liner - Main Bearing - Standard - Blue	AR	AR
	81/	Liner - Main Bearing - .002 U/S	AR	AR
	81/	Liner - Main Bearing - .010 U/S	AR	AR
	81/	Liner - Main Bearing - .020 U/S	AR	AR
	81/	Liner - Main Bearing - .030 U/S	AR	AR

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		CRANKSHAFT, FLYWHEEL AND RELATED PARTS (Cont'd.)		
	81/	Liner - Main Bearing - .040 U/S	AR	AR
12	81/	Liner - Main Thrust Bearing - Standard - Red	1	1
	81/	Liner - Main Thrust Bearing - Standard - Blue	AR	AR
	81/	Liner - Main Thrust Bearing - .002 U/S	AR	AR
	81/	Liner - Main Thrust Bearing - .010 U/S	AR	AR
	81/	Liner - Main Thrust Bearing - .020 U/S	AR	AR
	81/	Liner - Main Thrust Bearing - .030 U/S	AR	AR
	81/	Liner - Main Thrust Bearing - .040 U/S	AR	AR
13	81/	Seal - Rear Main Bearing Cap	2	2
14	81/	Seal Assembly - Rear Oil	1	1
15	81/	Flywheel Assembly - 11 Inch Single Clutch - Balanced	1	1
	81/	Flywheel Assembly - 13 Inch Single Clutch - Balanced	1	
	81/	Flywheel Assembly - 12 Inch Single Clutch - Balanced	1	1
	81/	Flywheel Assembly - 10 Inch O/C Clutch - Balanced	1	1
	81/	Flywheel Assembly - 11.5 Inch O/C Clutch - Balanced	1	1
16	81/	Ring Gear - Flywheel - 128 Teeth	1	1
17	81/	Bolt - 9/16-18 x 1-5/8	6	6
	81/	Bolt - 9/16-18 x 2.00	6	6
	81/	Bolt - 9/16-18 x 2.50	6	6
18	81/	Dynamic Balancer (Includes Ref. No. 19-25)	1	1
19	81/	Plug - 1/16-27 Pipe Socket	1	1
20	81/	Gear Assembly - Counterweight	1	1
21	81/	Gear Assembly - Counterweight	1	1
22	81/	Shaft Assembly (Includes Ref. No. 23-25)	1	1
23	81/	Plug - 1/8-27	2	2
24	81/	Washer - Thrust	4	4
25	81/	Pin - 5/16 x 1.75 Coiled - Shaft to Balancer Support	2	2
26	81/	Gasket	1	1
27	81/	Washer - 1/2 Lock	4	4
28	81/	Bolt - 1/2-13 x 2.50	4	4
29	81/	Dowel - Balancer to Cylinder Block	2	2
30	81/	Housing - Flywheel - SAE No. 3 - With Feet	1	1
	81/	Housing - Flywheel - SAE No. 4 - With Feet	1	1
31	81/	Bolt - 3/4-16 UNF-2A x 2.12 Upper Holes	2	2
	81/	Bolt - 5/8-11 x 2.25 Side Holes	4	4
	81/	Bolt - 7/16-14 x 1.00 Bottom Holes	2	2
32	81/	Washer - 3/4 Lock	2	2
	81/	Washer - 7/16 Flat	2	2
33	81/	Bolt - 7/16-14 x 2.50	2	2
34	81/	Washer - 7/16 Lock	2	2
	81/	Washer - 5/8 Lock	4	4



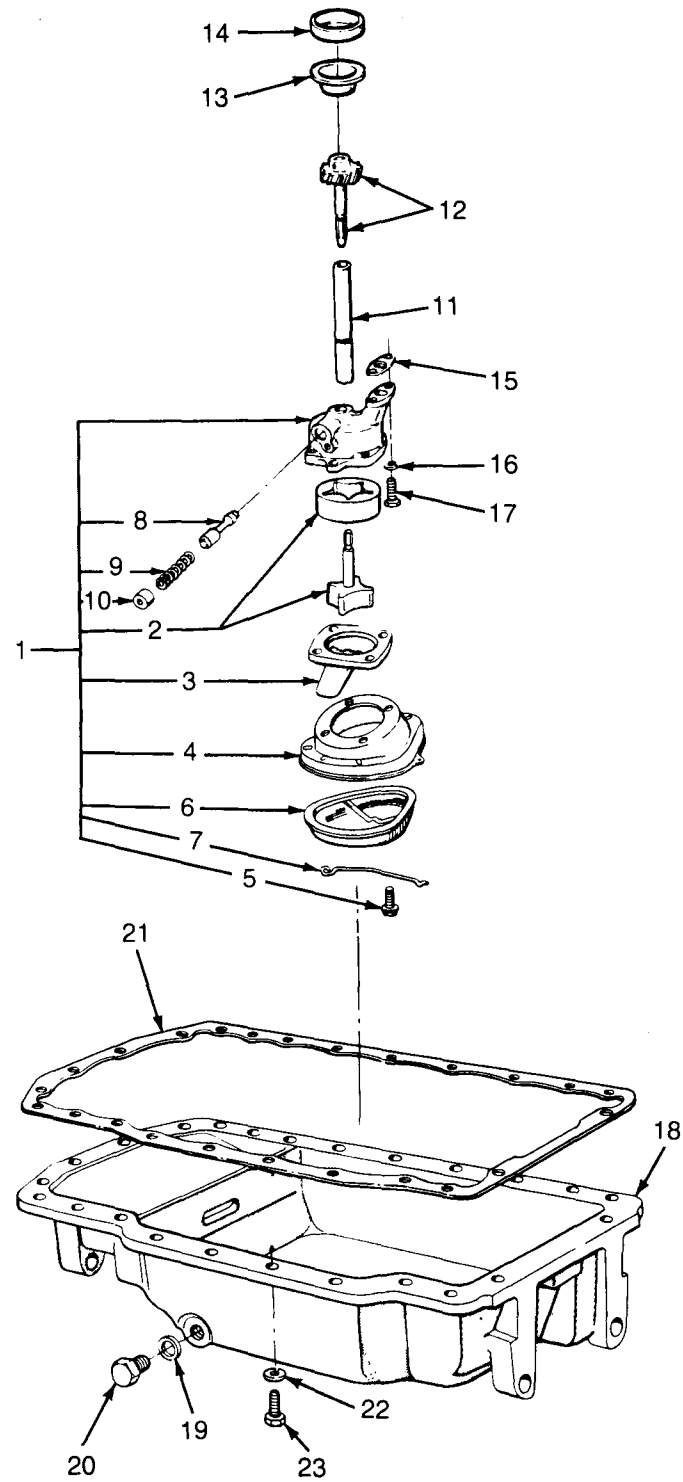
ROCKER ARM, VALVES AND RELATED PARTS — TYPICAL

IE-72A

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		ROCKER ARM, VALVES AND RELATED PARTS		
1	81/	Tappet - Valve	8	8
2	81/	Rod - Valve Push - 12.17 Long	8	8
3	81/	Arm Assembly - Valve Rocker (Includes Ref. No. 4)	8	
	81/	Arm Assembly - Valve Rocker (Includes Ref. No. 4)		8
4	81/	Screw - Valve Rocker Arm Adjusting	8	8
5	81/	Shaft - Valve Rocker Arm	1	1
6	81/	Plug - Cup - Rocker Arm Shaft Ends	2	2
7	81/	Support - Valve Rocker Arm Shaft	5	5
8	81/	Washer - 1/2 Flat	5	5
9	81/	Bolt - 1/2-13 x 7.80	5	5
10	81/	Spring - Valve Rocker Arm Locating	4	4
11	81/	Spacer - Valve Rocker Arm	4	4
12	81/	Valve - Exhaust - Standard	4	4
	81/	Valve - Exhaust - .003 O/S	AR	AR
	81/	Valve - Exhaust - .015 O/S	AR	AR
	81/	Valve - Exhaust - .030 O/S	AR	AR
13	81/	Valve - Intake - Standard		4
	81/	Valve - Intake - .003 O/S		AR
	81/	Valve - Intake - .015 O/S		AR
	81/	Valve - Intake - .030 O/S		AR
	81/	Valve - Intake - Standard	4	
	81/	Valve - Intake - .003 O/S	AR	
	81/	Valve - Intake - .015 O/S	AR	
	81/	Valve - Intake - .030 O/S	AR	
14	81/	Spring - Valve	8	8
15	81/	Shim - Valve Spring	AR	AR
16	81/	Retainer - Valve Spring - Intake	4	4
17	81/	Retainer Assembly - Valve Spring - Exhaust	4	4
18	81/	Key - Valve Spring Retainer	16	16
19	81/	Seal - Valve Stem Intake	4	
20	81/	Seal - Valve Stem	4	8
21	81/	Cover Assembly - Valve Rocker Arm	1	1
22	81/	Gasket - Valve Rocker Arm Cover	1	1
23	81/	Screw - 5/16-18 x .62 - Cover to Cyl. Head	10	10
24	81/	Hose - Crankcase Ventilation Tube to Cover	1	1
25	81/	Tube Assembly - Crankcase Ventilation	1	1
26	81/	Clamp - Hose - 1.31	2	2



OIL PUMP AND OIL PAN — TYPICAL

IE-66A

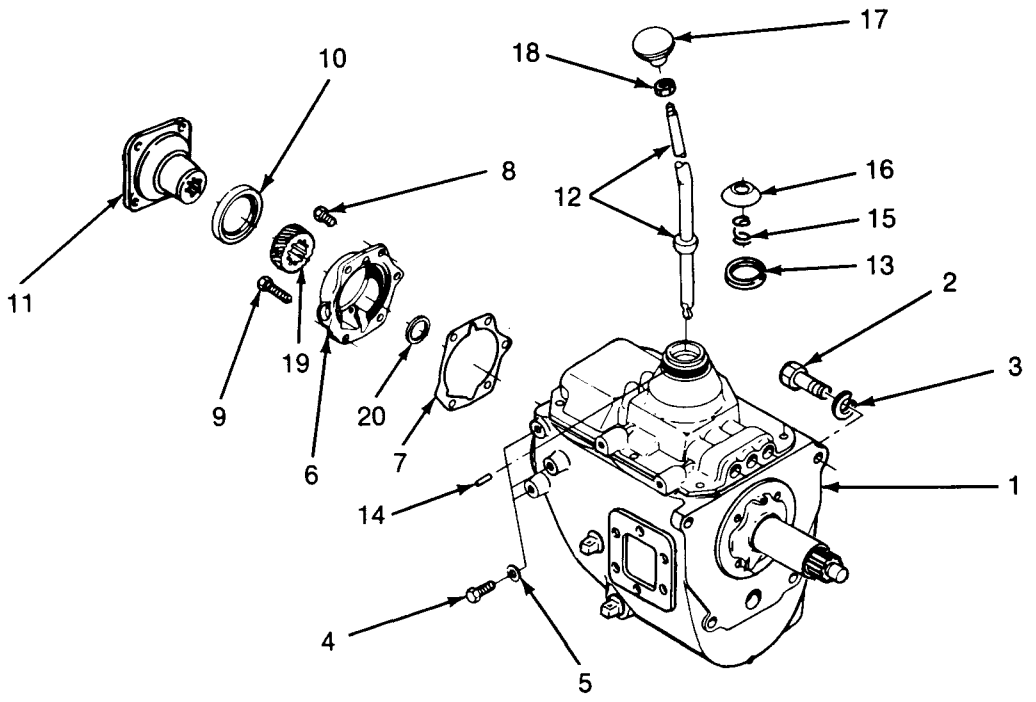
BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		OIL PUMP, OIL PAN AND RELATED PARTS		
1	81/	Pump Assembly - Engine Oil - Alternate with D1NN-C	1	1
	81/	Pump Assembly - Engine Oil - Alternate with D5NN-C	1	1
2	81/	Rotor and Shaft - D5NN-C Pump	1	1
	81/	Rotor and Shaft - D1NN-C Pump	1	1
3	81/	Cover - Oil Pump - D5NN-C Pump	1	1
	81/	Cover - Oil Pump - D1NN-C Pump	1	1
4	81/	Cover - Oil Pump Screen - D5NN-C Pump	1	1
	81/	Cover - Oil Pump Screen - D1NN-C Pump	1	1
5	81/	Screw and Washer Assembly - 1/4-20 x .88	4	4
6	81/	Screen Assembly - D5NN-C Pump	1	1
	81/	Screen Assembly - D1NN-C Pump	1	1
7	81/	Spring - Oil Pump Screen	1	1
8	81/	Valve - Oil Pressure Relief - D5NN-C Pump	1	1
	81/	Valve - Oil Pressure Relief - D1NN-C Pump	1	1
9	81/	Spring - Oil Pump Relief Valve - D5NN-C Pump	1	1
	81/	Spring - Oil Pump Relief Valve - D1NN-C Pump	1	1
10	81/	Plug - Oil Pump Relief Valve - D5NN-C Pump	1	1
	81/	Plug - Oil Pump Relief Valve - D1NN-C Pump	1	1
11	81/	Shaft - Oil Pump Intermediate	1	1
12	81/	Shaft and Gear Assembly - Oil Pump Drive	1	1
13	81/	Stop - Oil Pump Gear	1	1
14	81/	Plug - Cup 2.197 to 2.200	1	1
	81/	Plug - Cup 2.217 to 2.220	1	1
15	81/	Gasket - Oil Pump to Engine Block	1	1
16	81/	Washer - 3/8 Lock	2	2
17	81/	Bolt - 3/8-16 x 1.38	2	2
18	81/	Pan Assembly - Oil	1	1
19	81/	Gasket - Drain Plug	1	1
20	81/	Plug - Drain	1	1
21	81/	Gasket - Oil Pan	1	1
22	81/	Washer - 3/8 Lock	24	24
23	81/	Screw - 3/8-16 x 1.25	24	24

Ford Power Products

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE



TRANSMISSION ASSEMBLY (4-SPEED HELICAL) WARNER GEAR T18 — TYPICAL IE-41

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		TRANSMISSION ASSEMBLY - 4 SPEED CENTER SHIFT - WARNER T-18		
1	81/	■Transmission Assembly	1	1
2	81/	★Bolt - 9/16-12 x 2.0	2	2
3	81/	★Washer - 9/16 Lock	4	4
4	81/	+Bolt - 3/8-16 x 5/8	3	3
5	81/	+Washer - 3/8 Lock	3	3
6	81/	Retainer - Transmission Bearinv	1	1
7	81/	Gasket - Transmission Bearing Retainer	1	1
8	81/	▲Bolt - 3/8-16 x 1.00 Self-Locking	4	4
9	81/	▲Bolt - 3/8-16 x 1.75 Self-Locking	1	1
10	81/	Retainer - Rear Transmission Grease	1	1
11	81/	Flange - Output	1	1
12	81/	Lever - Gear Shift	1	1
13	81/	Gasket - Shift Lever Cap	1	1
14	81/	Trunnion - Shift Lever	1	1
15	81/	Spring - Shift Lever	1	1
16	81/	Seat - Shift Lever Spring	1	1
17	81/	Ball - Shift Lever	1	1
18	81/	Nut - 3/8-24	1	1
19	81/	Gear - Speedometec Drive	1	1
20	81/	Spacer - Speedometer Drive Gear	1	1
		■Order Transmission Detail Service Parts From The Industrial Power Products Distributor In Your Area		
		★Attach Transmission To Clutch Housing		
		+Plug Unused Holes In Transmission		
		▲Attach Bearing Retainer To Transmission Case		

"Talk to Us About Diesels!"

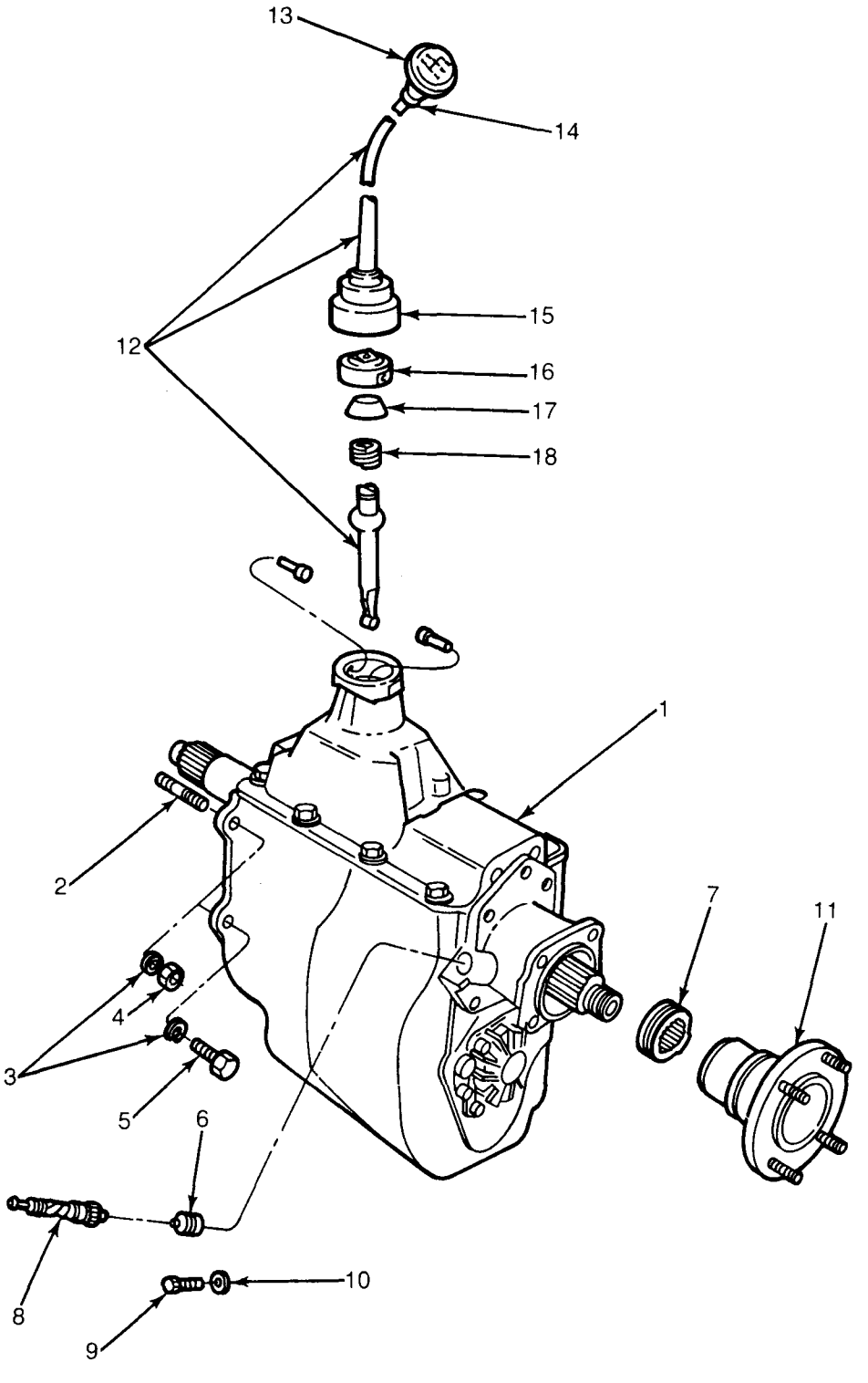
We're your Ford Power Products Distributor and now we can offer you more choices in Ford power than ever before. Eleven Ford marine diesels from 2.4 to 8.1 litres (144 to 495 CID). Plus twelve Ford industrial diesels from 2.4 to 8.1 litres (144 to 495 CID). Ranging from 42.5 to 282 intermittent gross horsepower. Engineered for a wide range of applications.

We'll help you tailor these engines to meet your needs. We will provide comprehensive parts and service support. And Ford will provide us with comprehensive parts, service and engineering support.

Look into the Wide World of Ford Power for all your power needs. Stop in. Or let us come out and tell you about these Ford diesels.

Expanding the Wide World of Ford Power

Some Ford engines are produced for Ford by other companies.



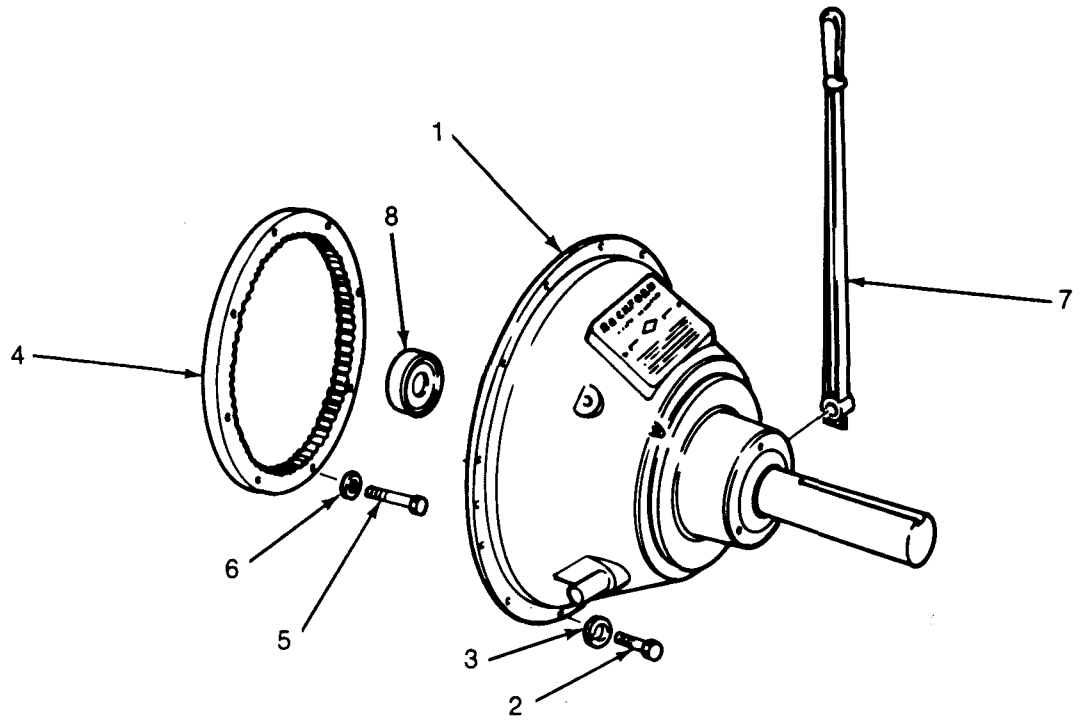
TRANSMISSION ASSEMBLY — 4-SPEED NEW PROCESS 435 — TYPICAL

IE-449

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

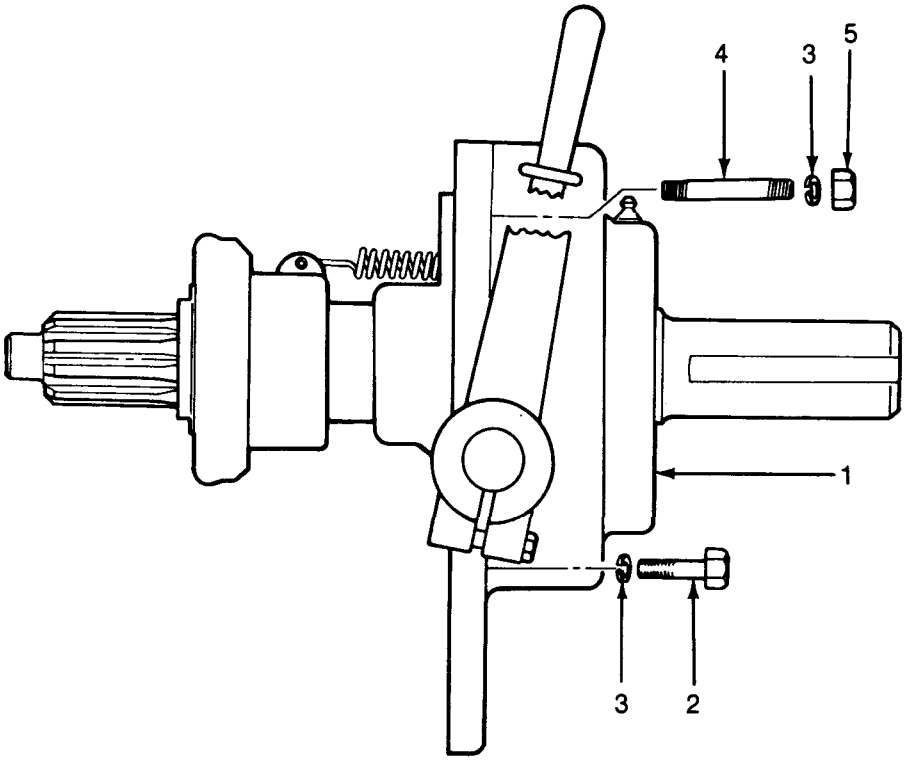
Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		TRANSMISSION ASSEMBLY - 4 SPEED CENTER SHIFT NEW PROCESS 435		
1	81/	■Transmission Assembly	1	1
2	81/	★Stud - 9/16-12-18 x 2.56	2	2
3	81/	★Washer - 9/16 Lock	4	4
4	81/	★Nut - 9/16-18	2	2
5	81/	★Bolt - 9/16-12 x 2.00	2	2
6	81/	Adapter - Speedometer Gear	1	1
7	81/	Gear - Speedometer Drive	1	1
8	81/	Gear - Speedometer Driven	1	1
9	81/	Bolt - 1/4-20 x 5/8	1	1
10	81/	Washer - 1/4 Lock	1	1
11	81/	Flange - Output	1	1
12	81/	Lever - Gear Shift	1	1
13	81/	Ball - Gear Shift Lever	1	1
14	81/	Nut - Jam - 3/8-24	1	1
15	81/	Cap - Shift Lever to Housing	1	1
16	81/	Cap - Shift Lever	1	1
17	81/	Seat - Gear Shift Spring	1	1
18	81/	Spring - Gear Shift Lever	11111111	1
		■*Order Transmission Detail Service Parts From The Industrial Power Products Distributor In Your Area*		
		★*Attach Transmission To Clutch Housing*		



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

IE-42A



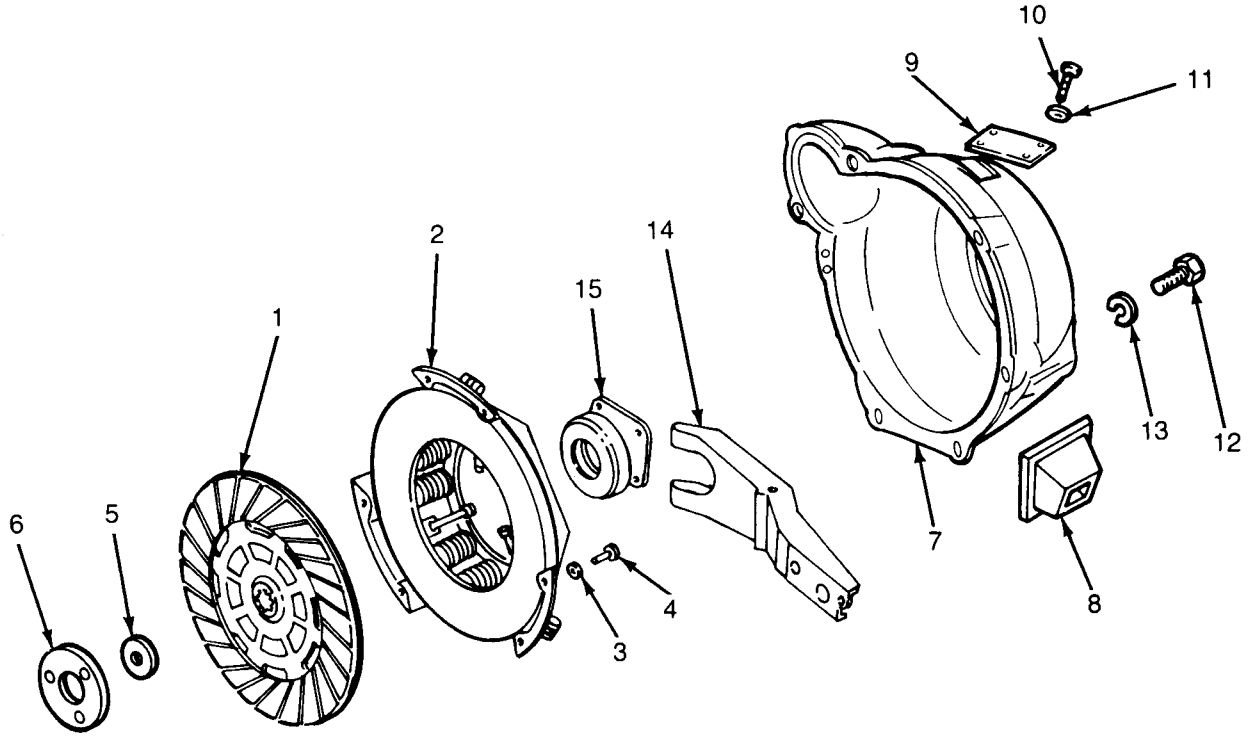
POWER TAKE-OFF ASSEMBLY H.D. SPRING LOADED CLUTCH — TYPICAL

IE-43

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		POWER TAKE-OFF FOR H.D. OVER CENTER CLUTCH		
1	81/	■Power Take-Off for 10 Inch O.C. Clutch	1	1
	81/	■Power Take-Off for 11.5 Inch O.C. Clutch	1	1
2	81/	Bolt - 3/8-16 x 1.00	12	12
3	81/	Washer - 3/8 Lock	12	12
4	81/	Drive Ring for 10 Inch O.C. Clutch	1	1
	81/	Drive Ring for 11.5 Inch O.C. Clutch	1	1
5	81/	Bolt - 3/8-16 x 1.75 for 10 Inch O.C. Clutch	8	8
	81/	Bolt - 3/8-16 x 2.25 for 11.5 Inch O.C. Clutch	8	8
6	81/	Washer - 3/8 Flat - Hardened	8	8
7	81/	Handle - P.T.O. for 10 Inch O.C. Clutch	1	1
	81/	Handle - P.T.O. For 11.5 Inch O.C. Clutch	1	1
	81/	Bearing - Pilot	1	1
		■*Order Power Take-Off Detail Service Parts from the Industrial Power Product Distributor in your area.*		
		POWER TAKE-OFF H.D. FOR SPRING LOADED CLUTCH		
1	81/	■Power Take-Off Assembly	1	1
2	81/	Bolt - 9/16-12 x 2.00	2	2
3	81/	Washer - 9/16 Lock	4	4
4	81/	Stud - 9/16-12-18 x 2.56	2	2
5	81/	Nut - 9/16-18	2	2
		■*Order Power Take-Off Detail Service Parts from the Industrial Power Product Distributor in your area.*		



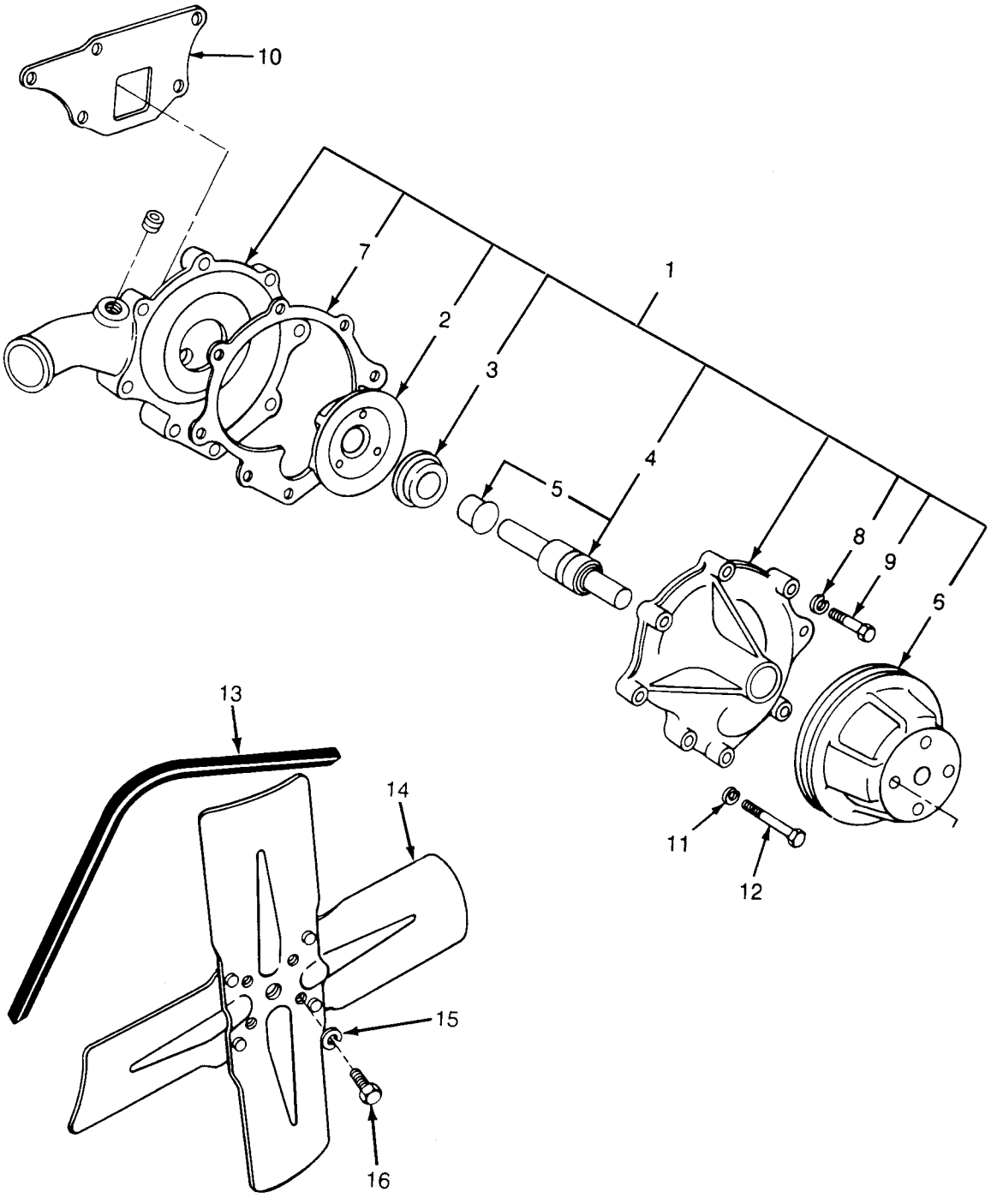
CLUTCH, CLUTCH HOUSING AND RELATED PARTS — TYPICAL

IE-448

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		CLUTCH ASSEMBLY, CLUTCH HOUSING AND RELATED PARTS		
1	81/	Disc Assembly - 11 Inch	1	1
	81/	Disc Assembly - 13 Inch	1	1
2	81/	Pressure Plate - 11 Inch	1	1
	81/	Pressure Plate - 13 Inch	1	1
3	81/	Washer - 3/8 Lock	AR	AR
4	81/	Bolt - 3/8-16 x .88	6	6
	81/	Bolt - 3/8-16 x 1.00	8	8
5	81/	Bearing - Pilot	1	1
6	81/	Adapter - Pilot Bearing	1	1
7	81/	Housing Assembly - Clutch	1	1
8	81/	Shield - Clutch Release Lever Dust	1	1
9	81/	Cover - Clutch Inspection	1	1
10	81/	Bolt - 1/4-20 x 3/8	2	2
11	81/	Washer - 1/4 Lock	2	2
12	81/	Bolt - 3/4-16 x 2.12 - Upper Holes	2	2
	81/	Bolt - 7/16-14 x 2.50 - Lower Holes	2	2
	81/	Bolt - 5/8-11 x 2.25 - Side Holes	4	4
13	81/	Washer - 3/4 Lock - Upper Holes	2	2
	81/	Washer - 7/16 Lock - Lower Holes	2	2
	81/	Washer - 5/8 Lock - Side Holes	4	4
14	81/	Lever - Clutch Release	1	1
15	81/	Hub and Bearing Assembly - Clutch Release	1	1



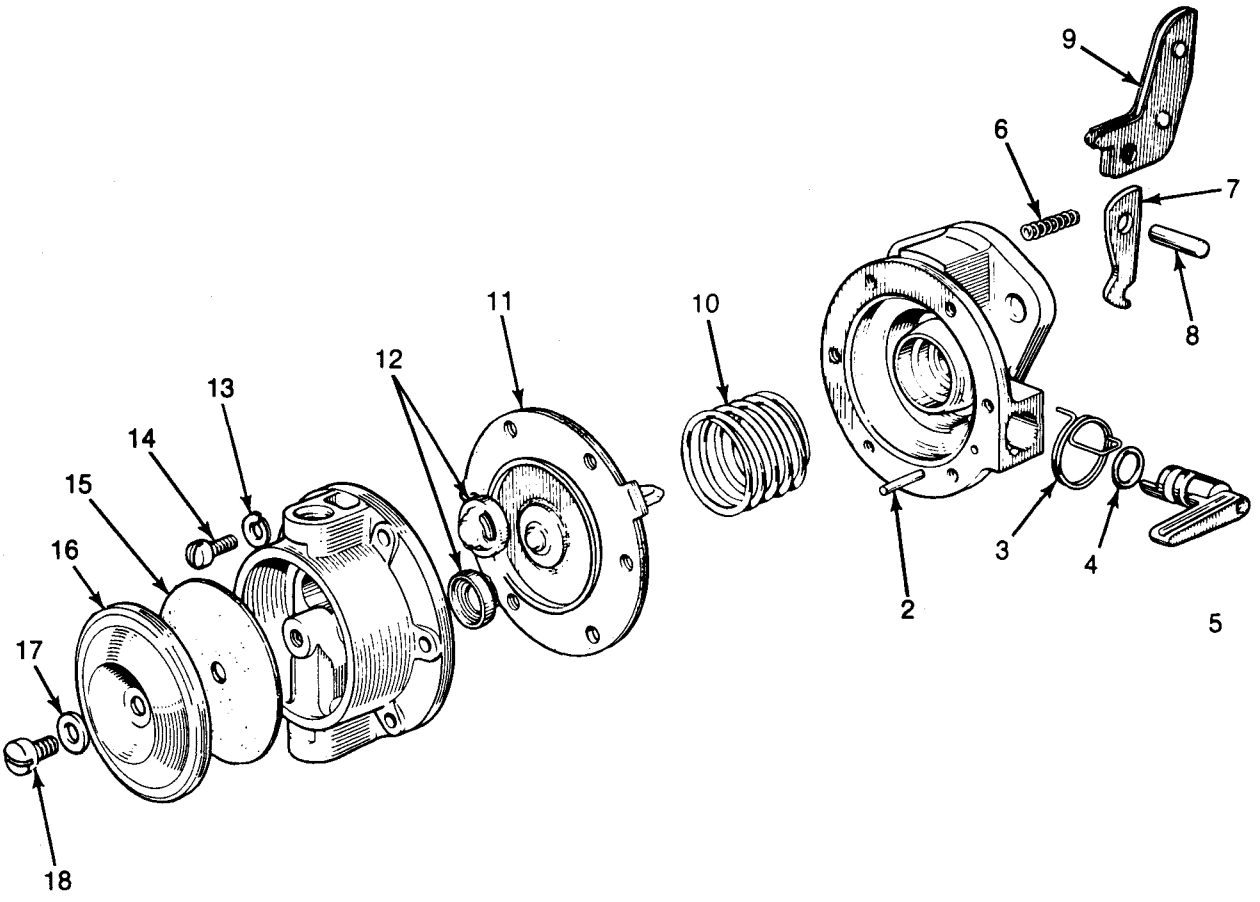
WATER PUMP AND RELATED PARTS — TYPICAL

IE-77A

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		WATER PUMP AND RELATED PARTS		
1	81/	Water Pump Assembly - Single Pulley	1	
	81/	Water Pump Assembly - Double Pulley		1
2	81/	Impeller	1	1
3	81/	Seal Assembly	1	1
4	81/	Bearing Assembly - Single Pulley	1	
	81/	Bearing Assembly - Double Pulley		1
5	81/	Slinger - Shaft	1	1
6	81/	Pulley - Single	1	
	81/	Pulley - Double		1
7	81/	Gasket	1	1
8	81/	Washer - 5/16 Lock	4	4
9	81/	Bolt - 5/16-18 x 1.50	4	4
10	81/	Gasket - Water Pump Mounting	1	1
11	81/	Washer - 3/8 Lock	4	4
12	81/	Bolt - 3/8-16 x 3.00	4	4
13	81/	Belt - With D3JL-A Alternator	1	1
14	81/	Fan Assembly - 7 Blade Suction	1	1
	81/	Fan Assembly - 6 Blade Suction	1	1
15	81/	Washer - 5/16 Lock	4	4
16	81/	Bolt - 5/16-24 x 3/4	4	4



FUEL PUMP COMPLETE-1

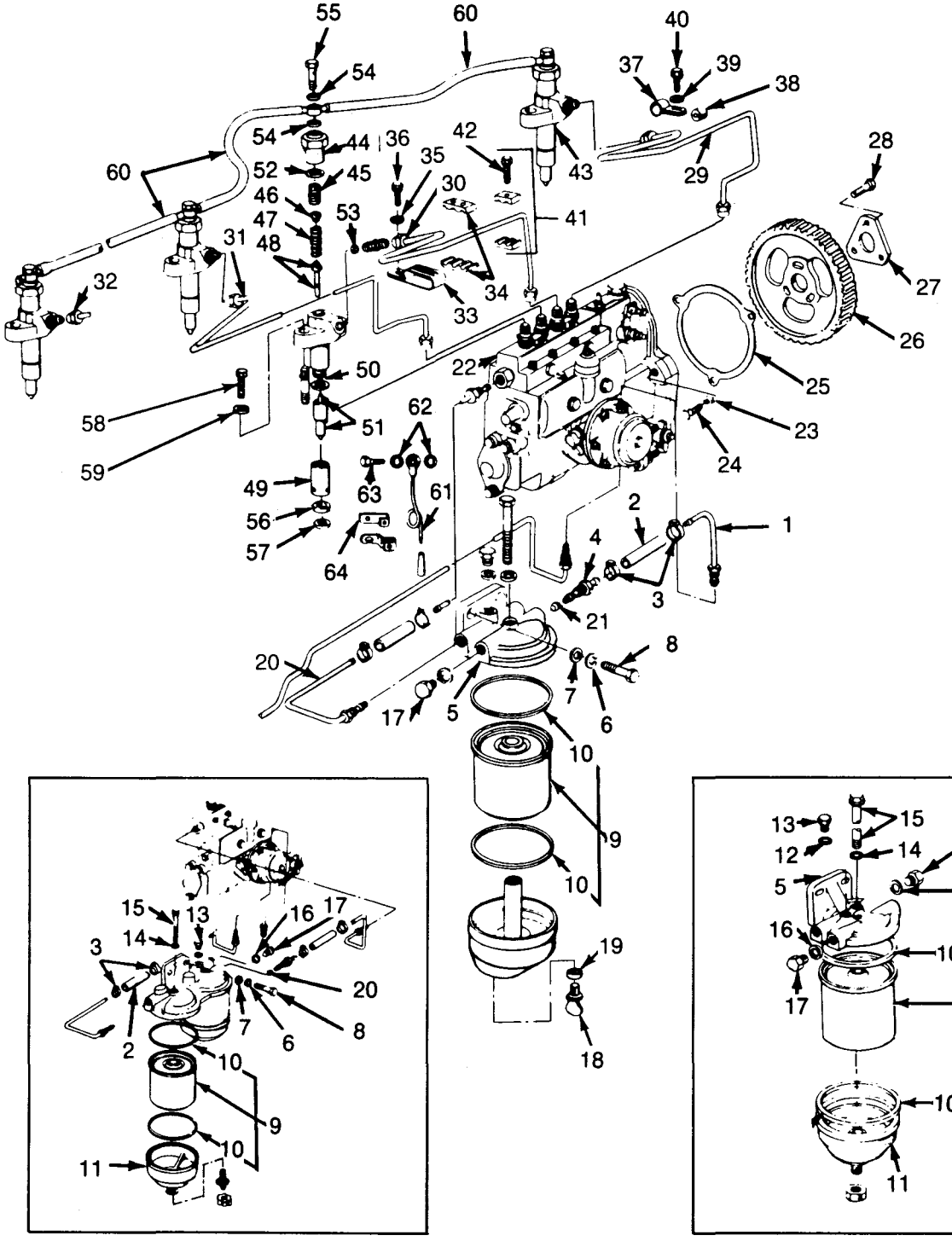
FUEL PUMP ASSEMBLY — TYPICAL

IE-79A

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		FUEL PUMP ASSEMBLY		
1	81/	Fuel Pump Assembly	1	1
2	81/	Pin - Priming Lever Retaining	1	1
3	81/	Spring - Priming Lever	1	1
4	81/	Seal - Priming Lever	1	1
5	81/	Lever - Priming	1	1
6	81/	Spring	1	1
7	81/	Link	1	1
8	81/	Pin - Link	1	1
9	81/	Arm	1	1
10	81/	Spring Assembly	1	1
11	81/	Diaphragm Assembly	1	1
12	81/	Valve Assembly	2	2
13	81/	Washer - No. 10 Lock	5	5
14	81/	Screw - No. 10-32 x .50	5	5
15	81/	Pulsator	1	1
16	81/	Cover	1	1
17	81/	Washer	1	1
18	81/	Bolt - 1/4-28 x .375	1	1



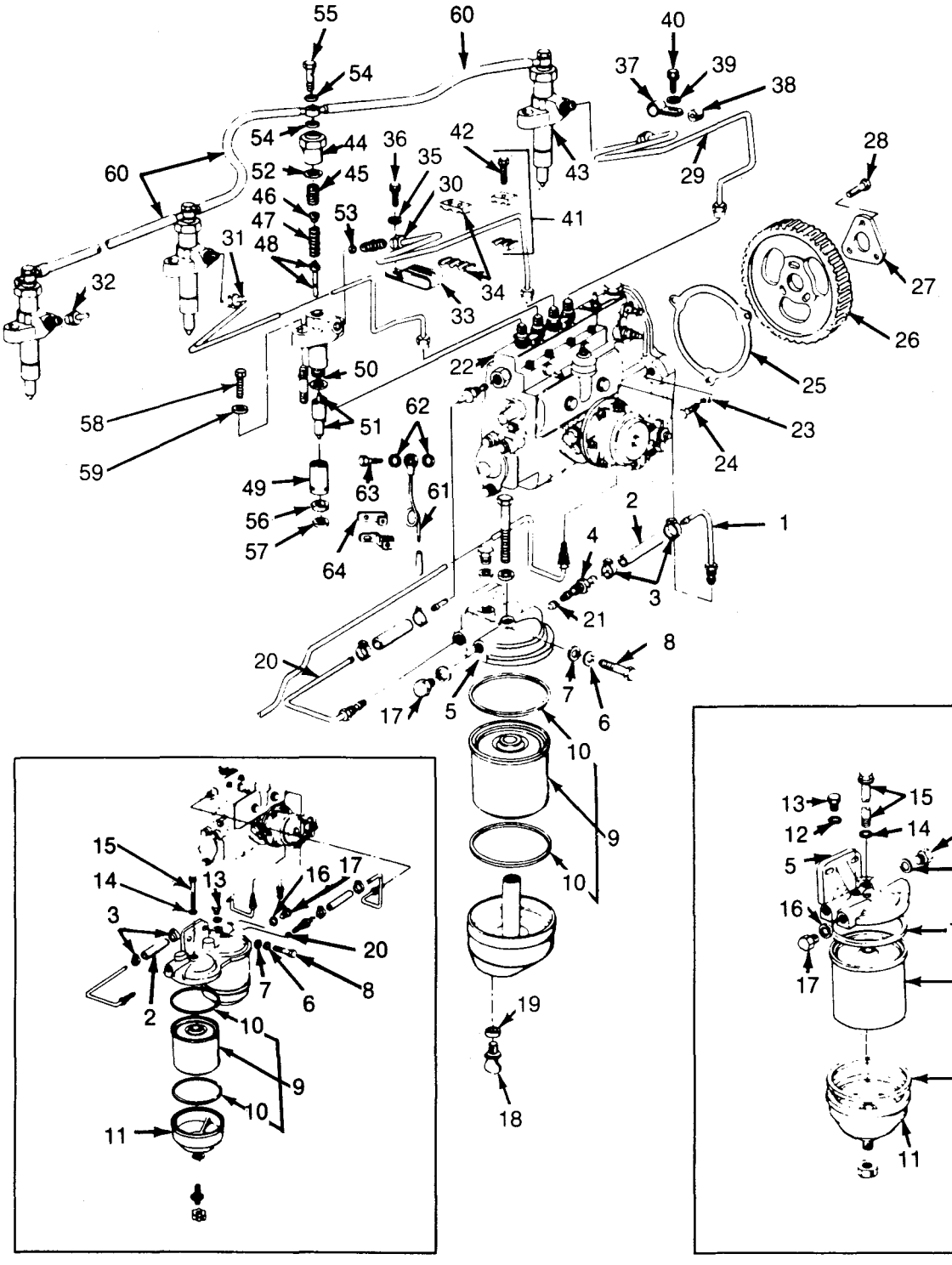
FUEL SYSTEM — TYPICAL

IE-83A

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		FUEL SYSTEM		
1	81/	Tube Assembly - Fuel Pump to Filter	1	1
2	81/	Hose - Fuel Tube	1	1
3	81/	Clamp - Fuel Tube Hose	2	2
4	81/	Tube Assembly - Filter Inlet	1	1
5	81/	Head - Fuel Filter	1	1
6	81/	Washer - 3/8 Lock	2	2
7	81/	Washer - 3/8 Flat	2	2
8	81/	Bolt - 3/8-16 x 1.25	2	2
9	81/	Kit - Fuel Filter Element	1	1
10	81/	Gasket - Fuel Filter Element - Upper	1	1
	81/	Gasket - Fuel Filter Element - Lower	1	1
11	81/	Bowl - Sediment	1	1
12	81/	Washer	1	1
13	81/	Plug	1	1
14	81/	"O"-Ring	1	1
15	81/	Bolt - Center	1	1
16	81/	Washer	2	2
17	81/	Plug - 1/2-20	2	2
18	81/	Plug - Bowl Drain	1	1
19	81/	Washer	1	1
20	81/	Tube Assembly - Single Filter to Pump	1	1
21	81/	Ferrule - 5/16	1	1
22	81	Injection Pump - Fuel	1	
	82/	Injection Pump - Fuel	1	
	81	Injection Pump - Fuel		1
	82/	Injection Pump - Fuel		1
23	81/	Washer - 5/16 Flat	3	3
24	81/	Bolt - 5/16-24 x 1.46	3	3
25	81/	Gasket	1	1
26	81/	Gear - Fuel Injection Pump	1	1
27	81/	Plate - Injection Pump Gear	1	1
28	81/	Bolt - 5/16-24 x 1.00	3	3
29	81/	Tube Assembly - Fuel Injector - No. 1 Cylinder	1	1
30	81/	Tube Assembly - Fuel Injector - No. 2 Cylinder	1	1
31	81/	Tube Assembly - Fuel Injector No. 3 Cylinder	1	1
32	81/	Tube Assembly - Fuel Injector No. 4 Cylinder	1	1
33	81/	Clip - Injector Tube to Intake Manifold	1	1
34	81/	Insert - Fuel Tube Clip	1	1
35	81/	Washer - 5/16 Flat	1	1
36	81/	Screw & Lockwasher Assembly 5/16-18 x .75	1	1
37	81/	Clip - Injector Tube to Intake Manifold	2	2
38	81/	Insert - Fuel Tube Clip	2	2
39	81/	Washer - 7/16 Lock	2	2
40	81/	Bolt - 7/16-14 x 1.00	2	2
41	81/	Clamp Assembly - Injection Tubes (Includes Ref. No. 42)	2	2
42	81/	Screw & Washer No. 12-24 x 5/8	2	2
43	81/	Injector Assembly - Fuel - Includes Nozzle	4	
	81/	Injector Assembly - Fuel - Includes Nozzle		4

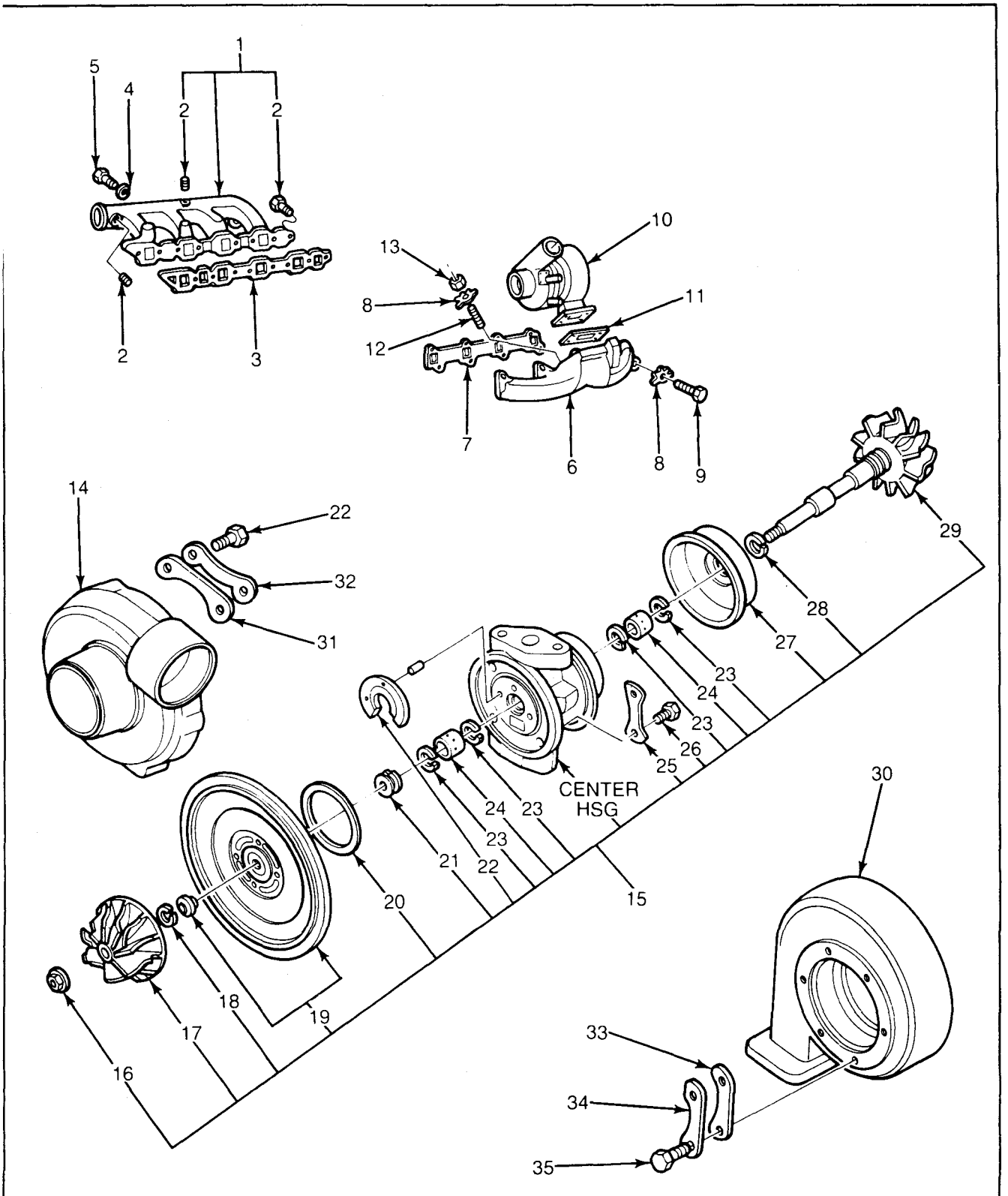


FUEL SYSTEM — TYPICAL

IE-83A

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		FUEL SYSTEM (Cont'd.)		
44	81/	Nut - Holder Cap	4	
	81/	Nut - Holder Cap		4
45	81/	Nut - Spring Cap	4	
	81/	Nut - Spring Cap		4
46	81/	Plate - Spring	4	4
47	81/	Spring	4	
	81/	Spring		4
48	81/	Spindle Assembly	4	
	81/	Spindle Assembly		4
49	81/	Nut - Spring	4	4
50	81/	Pin - .116 x .394 Dowel	AR	AR
	81/	Pin - .115 x .394 Dowel	AR	AR
	81/	Pin - .114 x .394 Dowel	AR	AR
51	81/	Nozzle Assembly - Fuel Injector	4	
	81/	Nozzle Assembly - Fuel Injector		4
52	81/	Washer	4	4
53	81/	Washer - Injector Adapter Seal	4	4
54	81/	Washer - Leak-Off Fitting	8	8
55	81/	Bolt - Leak-Off Tube		4
	81/	Bolt - Leak-Off Tube	4	
56	81/	Seal - Injector	4	4
57	81/	Washer - Sealing	4	4
58	81/	Bolt - 5/16 - 18 x 1.50	8	8
59	81/	Washer - 5/16 Lock	8	8
60	81/	Tube Assembly - Fuel Injection Leak-Off	1	1
61	81/	Tube Assembly - Pump Outlet	1	1
62	81/	Washer	2	2
63	81/	Bolt - 5/16-24 x .69	1	1
64	81/	Clip - Pump Tube	1	1



MANIFOLDS AND TURBOCHARGER — TYPICAL

IE-450

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		MANIFOLDS, TURBOCHARGER AND RELATED PARTS		
		INTAKE MANIFOLD		
1	81/	Manifold (Includes Ref. No. 2)	1	1
2	81/	Plug - 7/8-14	1	1
	81/	Plug - 1/8-27 Pipe	1	1
	81/	Plug - 3/8-18 Pipe	1	1
3	81/	Gasket - Manifold To Cyl. Head	1	1
4	81/	Washer - 3/8 Lock	9	9
5	81/	Bolt - 3/8-16 x 1.25	9	9
		EXHAUST MANIFOLD		
6	81	Manifold	1	
	81	Manifold		1
	82/	Manifold	1	1
7	81/	Gasket - Manifold To Cyl. Head	1	1
8	81/	Washer - 3/8 Lock Tab	8	12
9	81/	Bolt - 3/8-16 x 1.50	8	8
		TURBOCHARGER		
10	81/	Turbocharger		1
11	81/	Gasket		1
12	81/	Stud - 3/8-24-16 x 1-9/16		4
13	81/	Nut - 3/8-24		4
14	81/	Cover		1
15	81/	Core Assembly - Includes (16-29)		1
16	81/	Locknut		1
17	81/	Wheel		1
18	81/	Ring		1
19	81/	Back Plate Assy		1
20	81/	O-Ring		1
21	81/	Collar		1
22	81/	Plate		1
23	81/	Retainer		4
24	81/	Bearing		2
25	81/	Lock Plate		2
26	81/	Bolt - 5/16-18 x .50		4
27	81/	Shroud		1
28	81/	Ring		1
29	81/	Wheel and Shaft Assembly		1
30	81/	Housing		1
31	81/	Plate		3
32	81/	Lock Plate		3
33	81/	Plate		3
34	81/	Lock Plate		3
35	81/	Bolt - 5/16-18 x .50		12

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:

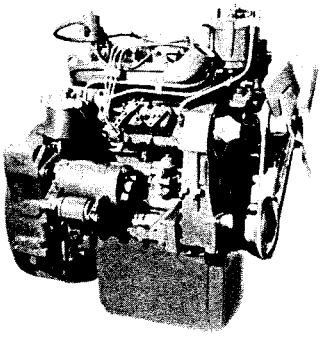
- The three cylinder, naturally aspirated SSD-327, the four cylinder SSD-437, and the six cylinder SSD-655.

The second family consists of:

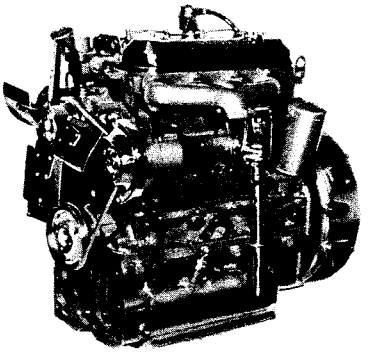
- The six cylinder SSD-681.

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.

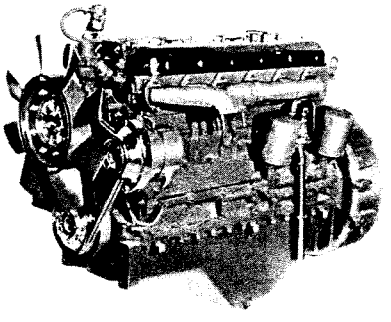
Be sure to get your parts & service from the man who knows your engine best — your Ford Power Products Distributor. He is listed on the inside cover.



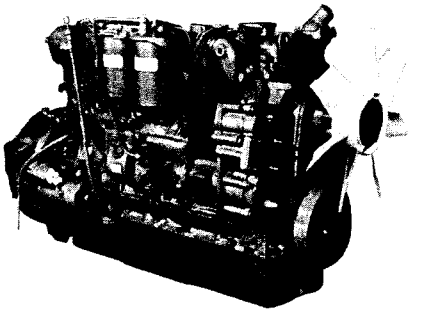
SSD-327
3 Cylinder,
2.7 Litre, 168 CID



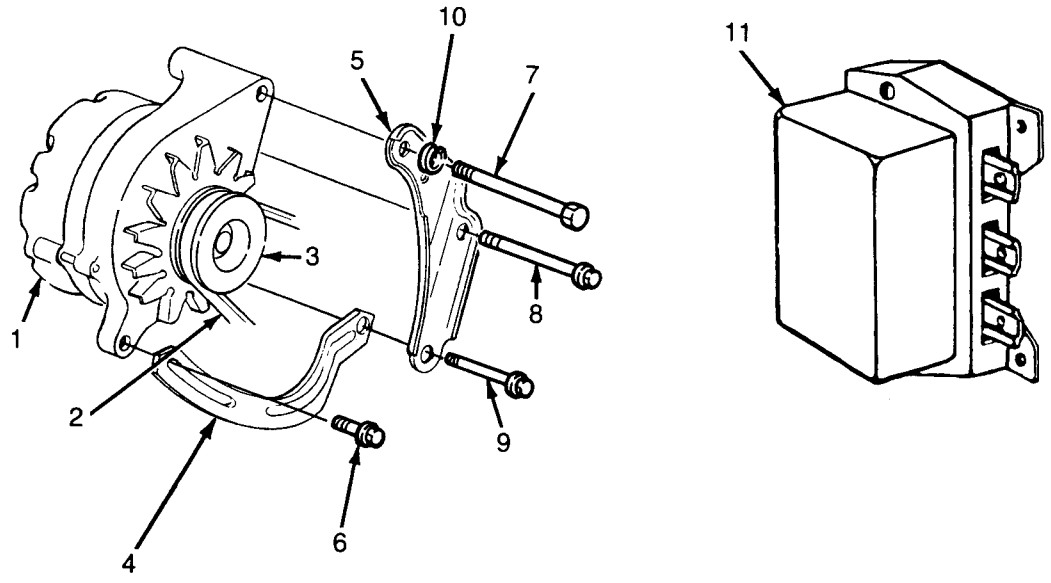
SSD-437
4 Cylinder,
3.7 Litre, 224 CID



SSD-655
6 Cylinder,
5.5 Litre 335 CID



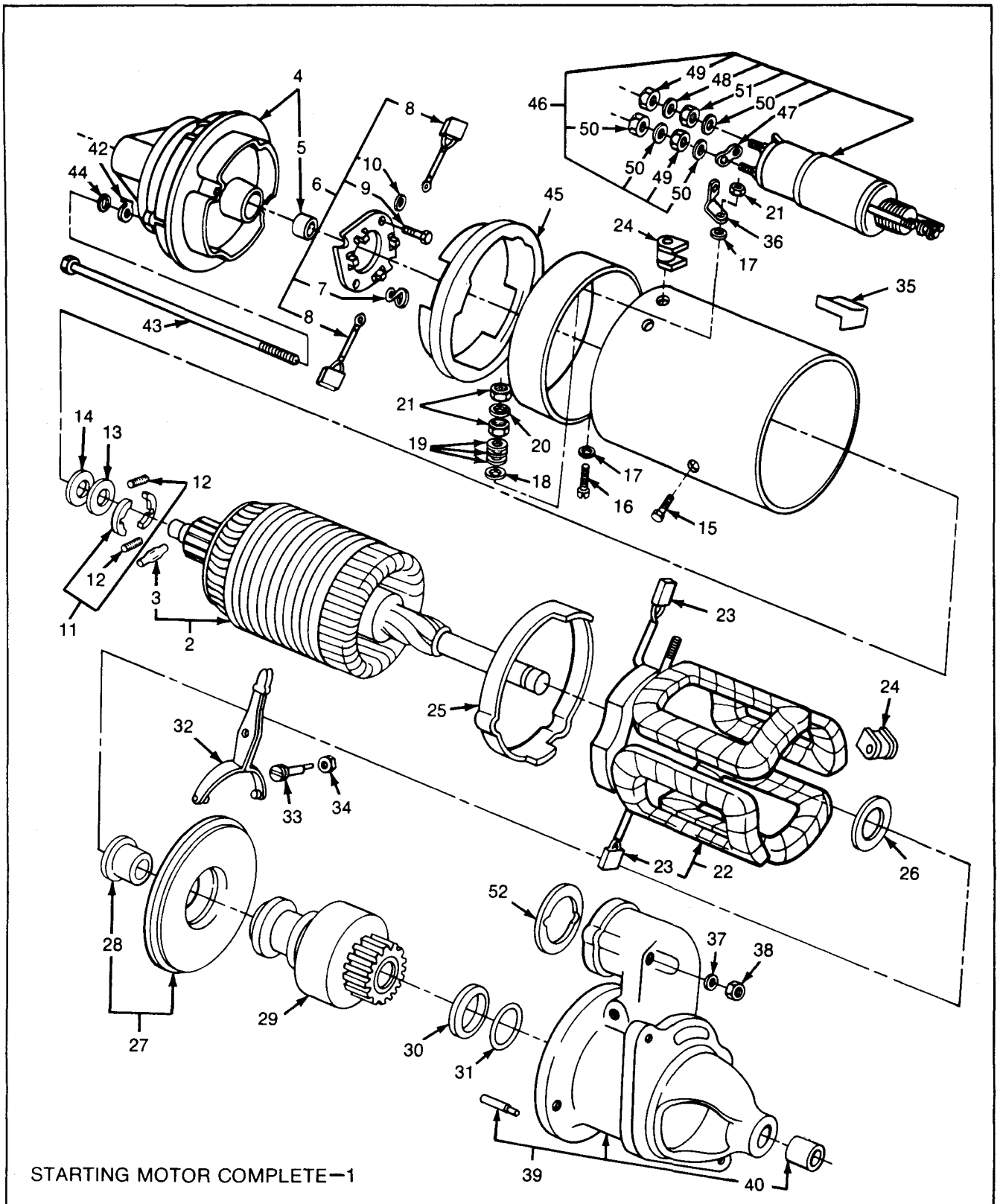
SSD-681
6 Cylinder
8.1 Litre, 495 CID



ALTERNATOR AND REGULATOR ASSEMBLY AND RELATED PARTS — TYPICAL

IE-86A

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		ALTERNATOR AND RELATED PARTS		
1	81/	12V - 37 Amp	1	1
2	81/	Belt - Alternator Drive	1	1
3	81/	Pulley - Alternator - 3.75 Diameter	1	1
4	81/	Arm - Alternator Adjusting	1	1
5	81/	Bracket - Alternator Support	1	1
6	81/	Bolt - 3/8-16 x 1.12 Self-Locking	1	1
7	81/	Bolt - 7/16-14 x 4.25	1	1
8	81/	Bolt - 3/8-16 x .87	2	2
9	81/	Bolt - 5/16-18 x 2.75	1	1
10	81/	Washer - 7/16 Lock	1	1
11	81/	Regulator - Voltage	1	1

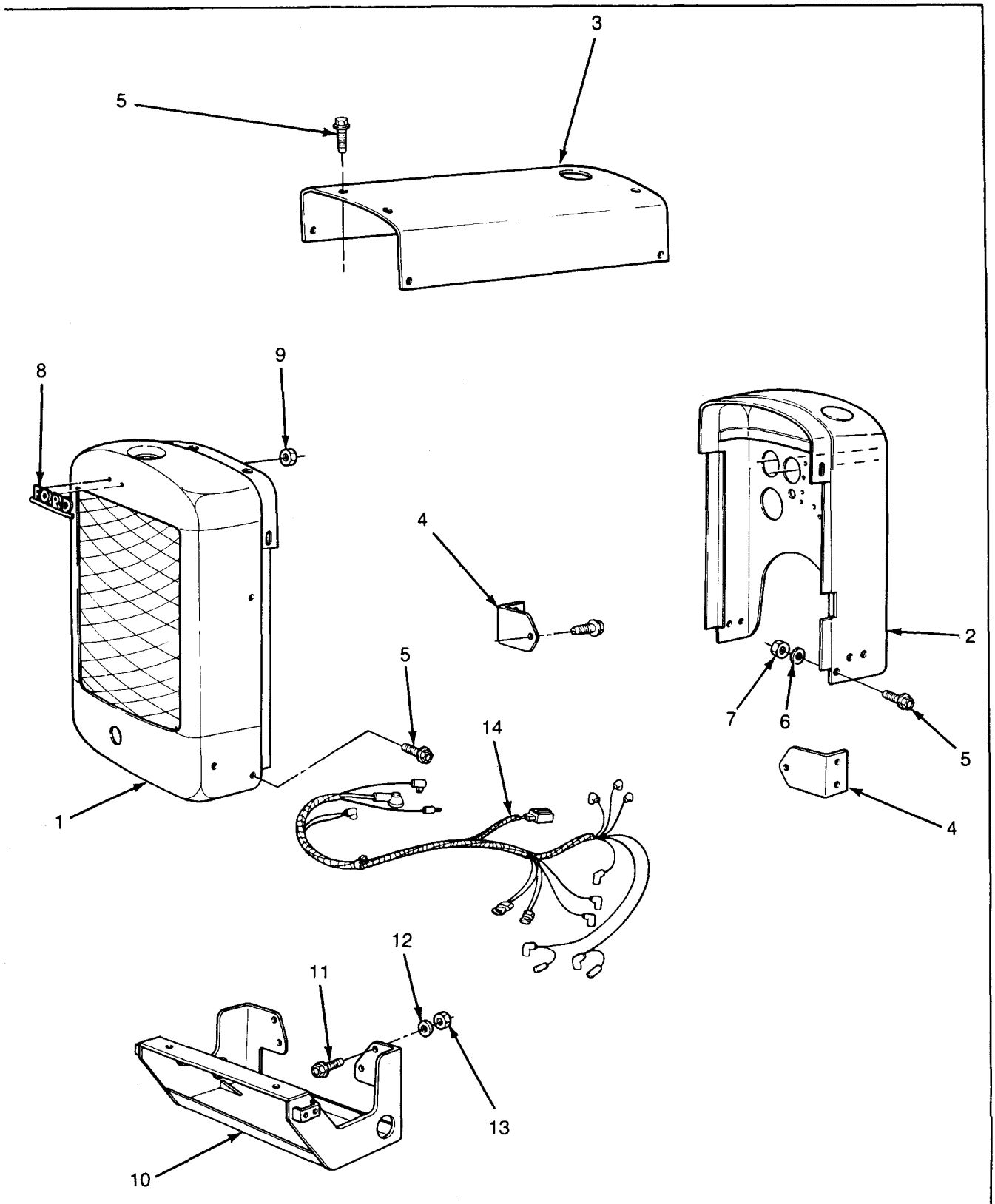


STARTING MOTOR AND RELATED PARTS — TYPICAL IE-87A

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		STARTING MOTOR AND RELATED PARTS		
1	81/	Starting Motor	1	1
2	81/	Armature Assembly - Starting Motor	1	1
3	81/	Pin	1	1
4	81/	Plate Assembly - Brush End	1	1
5	81/	Bearing - Brush End Plate	1	1
6	81/	Holder Assembly - Brush	1	1
7	81/	Spring	4	4
8	81/	Brush Assembly - Insulated	2	2
9	81/	Screw - Brush Plate	2	2
10	81/	Seal - Brush Plate Screw	2	2
11	81/	Kit - Drive Brake Shoe	1	1
12	81/	Spring - Brake Shoe	2	2
13	81/	Washer - Thrust - Metal	1	1
14	81/	Washer - Thrust - Fabric	1	1
15	81/	Screw - Pole Shoe 3/8-16 x .50	4	4
16	81/	Terminal - Field	1	1
17	81/	Washer - Terminal Insulating	2	2
18	81/	Insulator - Field Terminal	1	1
19	81/	Washer - Insulating	3	3
20	81/	Washer - 1/4 Lock	1	1
21	81/	Nut - 1/4-26	3	3
22	81/	Coil Assembly - Field Complete	1	1
23	81/	Brush Assembly - Insulated	2	2
24	81/	Grommet - Starter Index Coil Lead	1	1
25	81/	Insulator - Field Coil	1	1
26	81/	Washer - Thrust .010 Thick	AR	AR
27	81/	Plate Assembly - Center Bearing	1	1
28	81/	Bearing - Rear End Plate	1	1
29	81/	Drive Assembly	1	1
30	81/	Collar - Drive Pinion Stop	1	1
31	81/	Retainer - Drive Stop Collar	1	1
32	81/	Lever Assembly - Drive Assembly Control	1	1
33	81/	Pin - Lever	1	1
34	81/	Nut - 1/2-26	1	1
35	81/	Grommet - Relay Housing Seal	1	1
36	81/	Strap - Terminal	1	1
37	81/	Washer - 1/4 Lock	2	2
38	81/	Nut - 6mm	2	2
39	81/	Housing Assembly - Starter Motor Drive End	1	1
40	81/	Bearing	1	1
41	81/	Dowel	1	1
42	81/	Washer - Thru Bolt Tab	2	2
43	81/	Bolt - 5/16-24 x 7.7 - Thru	2	2
44	81/	Seal - Thru Bolt	2	2
45	81/	Seal - End Cover	1	1
46	81/	Solenoid Assembly	1	1
47	81/	Plate	1	1
48	81/	Washer - Lock	1	1
49	81/	Nut - 8 mm	1	1
50	81/	Washer - 1/4 Lock	3	3
51	81/	Nut - 6 mm	3	3
52	81/	Gasket - Solenoid	1	1



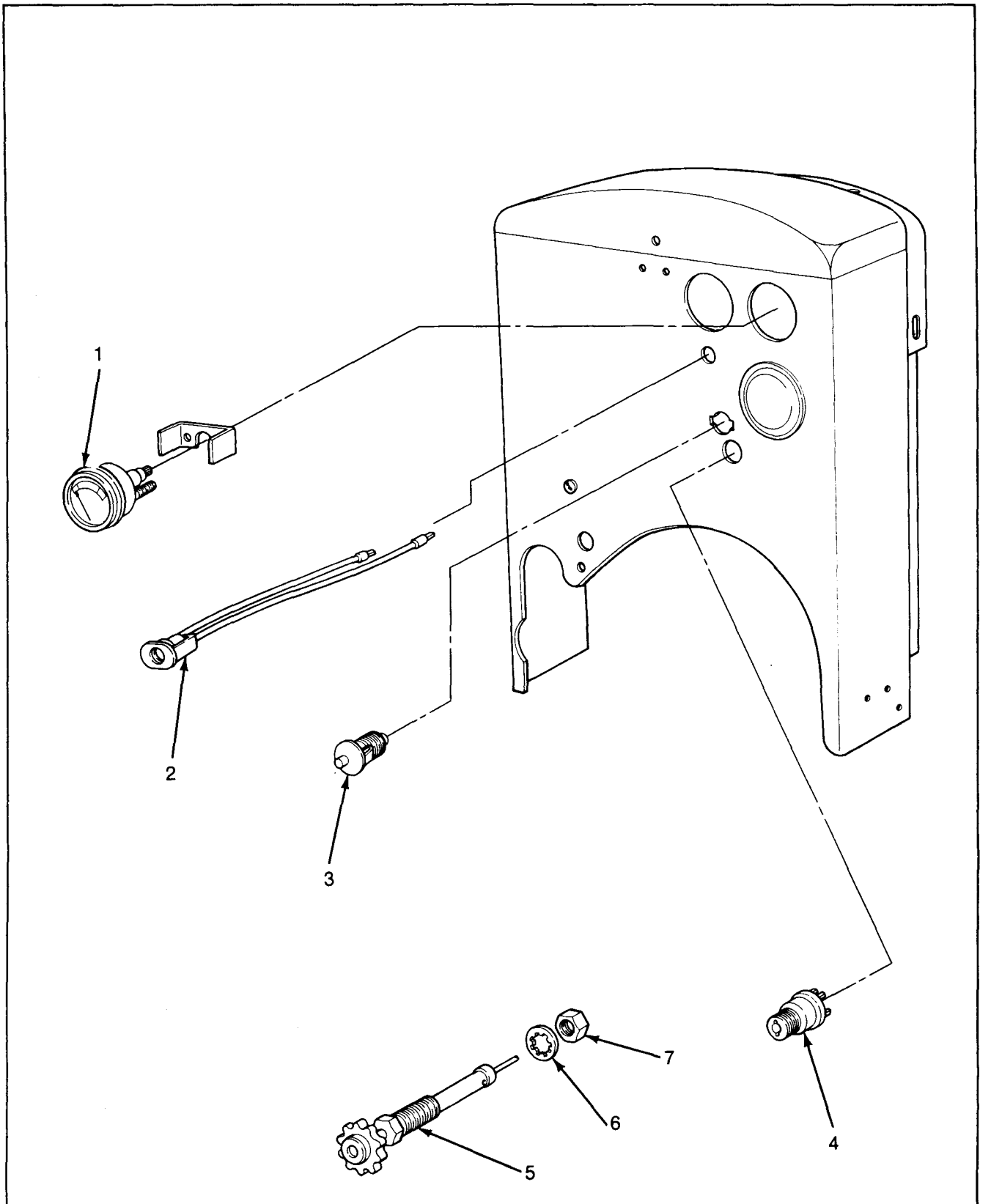
RADIATOR SHELL, HOOD TOP, REAR PANEL AND RELATED PARTS — TYPICAL

IE-433A

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		RADIATOR SHELL, HOOD TOP, REAR PANEL, AND RELATED PARTS		
1	81/	Shell Assembly - Radiator	1	1
2	81/	Panel Assembly - Rear	1	1
3	81/	Hood Top	1	1
4	81/	Bracket - Rear Panel To Engine	2	2
5	81/	Bolt - 5/16-24 x .88	18	18
6	81/	Washer - 5/16 Lock	4	4
7	81/	Nut - 5/16-24	4	4
8	81/	Emblem - Ford	1	1
9	81/	Nut - Speed	4	4
	81/	Spacer	2	2
		ENGINE SUPPORT		
10	81/	Support - Front	1	1
11	81/	Bolt 3/4-10 x 2.50	4	4
12	81/	Washer - 3/4 Lock	4	4
13	81/	Nut 3/4-10	4	4
		WIRING		
14	81/	Harness - Main Wiring	1	1



INSTRUMENT PANEL — TYPICAL

IE-413A

BSD444 AND BSD-444T
268 CID
DIESEL ENGINE

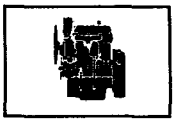
Ford Power Products

REF. NO.	YEAR	DESCRIPTION	QUANTITY 268	QUANTITY 268T
		INSTRUMENT PANEL		
1	81/	Gauge - Water Temperature	1	1
2	81/	Light - Alternator Warning	1	1
	81/	Light - Low Oil Warning	1	1
3	81/	Button - Starter	1	1
4	81/	Switch	1	1
5	81/	Throttle Control	1	1
6	81/	Washer - 1/2 Lock	1	1
7	81/	Nut - 1/2-20	1	1

"Talk to Us About Diesels!"

You've made us number one in industrial gasoline engines.*
Now, talk to us about diesels!

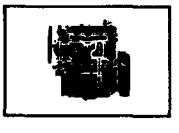
*Above 50 HP



42.5 HP
BSD-326
3-Cylinder, 2.6 Litre,
158 CID
Industrial

47 HP
BSD-329
3-Cylinder, 2.9 Litre,
175 CID
Industrial

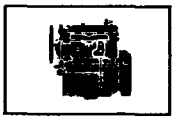
51.7 HP
SSD-327
3-Cylinder, 2.7 Litre,
168 CID
Industrial



58 HP
YSD-424
4-Cylinder, 2.4 Litre,
144 CID
Industrial

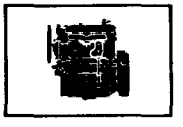
60 HP
BSD-333
3-Cylinder, 3.3 Litre,
201 CID
Industrial

64 HP
YSD-424M
4-Cylinder, 2.4 Litre,
144 CID
Marine

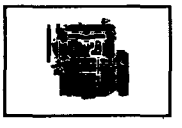


70 HP
SSD-437
4-Cylinder, 3.7 Litre,
224 CID
Industrial

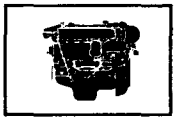
70 HP
DSD-442
4-Cylinder, 4.2 Litre,
254 CID
Industrial



81 HP
BSD-444
4-Cylinder, 4.4 Litre,
268 CID
Industrial

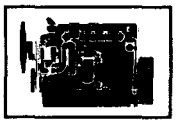


86 HP
YSD-635
6-Cylinder, 3.5 Litre,
216 CID
Industrial

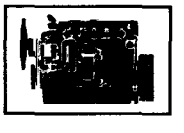


90 HP
SSD-437M
4-Cylinder, 3.7 Litre,
224 CID
Marine

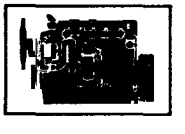
96 HP
YSD-635M
6-Cylinder, 3.5 Litre,
216 CID
Marine



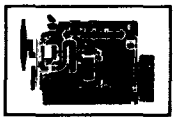
100 HP
BSD-444T
4-Cylinder, 4.4 Litre,
268 CID
Industrial Turbo



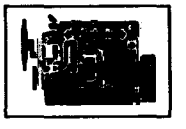
102 HP
DSD-659
6-Cylinder, 5.9 Litre,
362 CID
Industrial



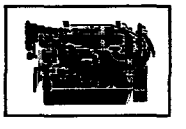
107 HP
SSD-655
6-Cylinder, 5.5 Litre,
335 CID
Industrial



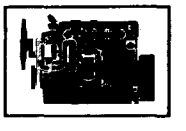
107 HP
DSD-662
6-Cylinder, 6.2 Litre,
380 CID
Industrial



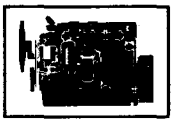
121 HP
BSD-666
6-Cylinder, 6.6 Litre,
401 CID
Industrial



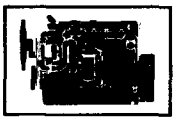
138 HP
SSD-655M
6-Cylinder, 5.5 Litre,
335 CID
Marine



143 HP
SSD-681
6-Cylinder, 8.1 Litre,
495 CID
Industrial

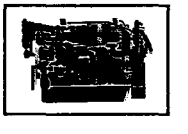


147 HP
DSD-660T
6-Cylinder, 6.0 Litre,
363 CID
Industrial Turbo

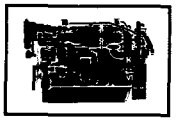


153 HP
BSD-666T
6-Cylinder, 6.6 Litre,
401 CID
Industrial Turbo

167 HP
SSD-681M
6-Cylinder, 8.1 Litre,
495 CID
Marine



172 HP
SSD-655MT
6-Cylinder, 5.5 Litre,
335 CID
Marine Turbo



282 HP
SSD-681MT
6-Cylinder, 8.1 Litre,
495 CID
Marine Turbo