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PARTS LIST

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VSG 411-413 67-79 CID GASOLINE ENGINE AND POWER UNIT



GENERAL INFORMATION

This Ford Power Products 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 buy 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

- 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.
- 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.

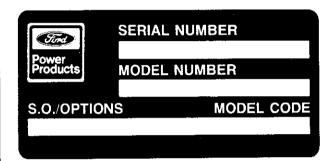


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SERVICE PARTS LIST

ENGINE IDENTIFICATION

To assure correct selection of service replacement parts, record all information imprinted on the Engine Name Plate (Fig. 1) and/or Distributor Modification Name Plate (Fig. 2) affixed to the engine undergoing service repairs. Utilizing the model number, refer to your Bill of Materials (B.O.M.) Microfiche or Distributor Bill of Materials (D.B.O.M.) Microfiche to identify the base engine and all production accessories added to the base engine.



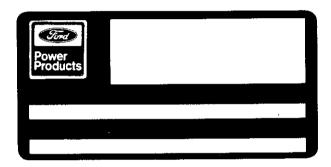


FIG. 1 ENGINE NAME PLATE

FIG. 2 DISTRIBUTOR MODIFICATION NAME PLATE

SPECIAL NOTE

Since its introduction in 1984, many product improvements have been incorporated into the VSG 411/413 engine series. The most significant improvement is the evolution of the ignition system as illustrated in the following table:

Model	Year of Manufacture	Ignition Type
VSG 411	84/86	Breaker Point
VSG 411-413	86/89	Solid State
VSG-411-413	89/	Distributorless
VSG-411-413	84/89	Breaker Point or Solid State

In order to obtain the correct service replacement parts for your engine, it is essential that the ignition type be identified.

REFER TO THE IGNITION SYSTEM SECTION OF YOUR MAINTENANCE AND OPERATOR'S MANUAL TO IDENTIFY THE TYPE OF IGNITION SYSTEM EQUIPPED ON YOUR ENGINE.

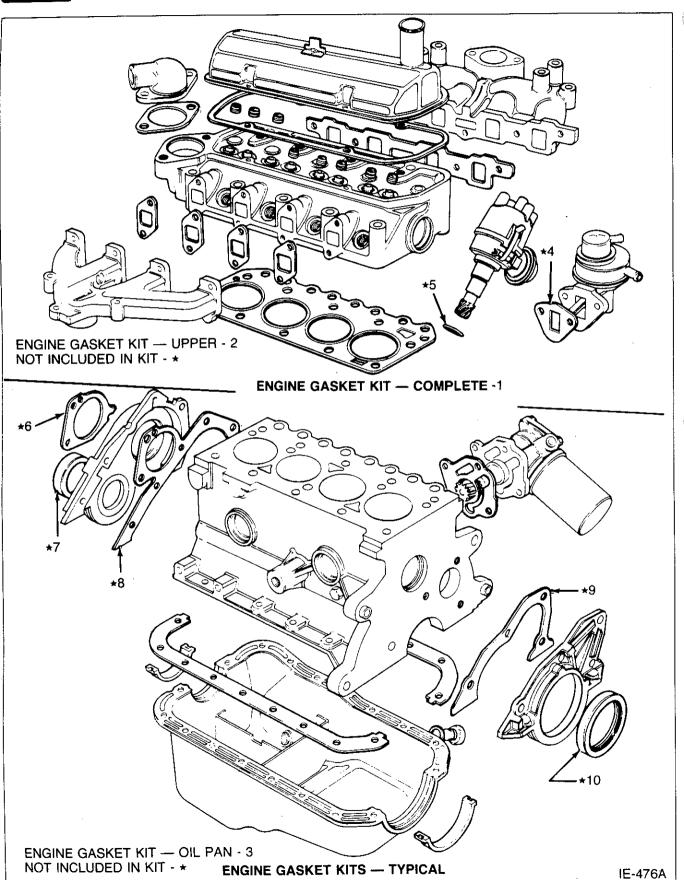


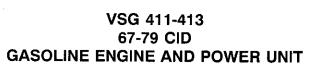
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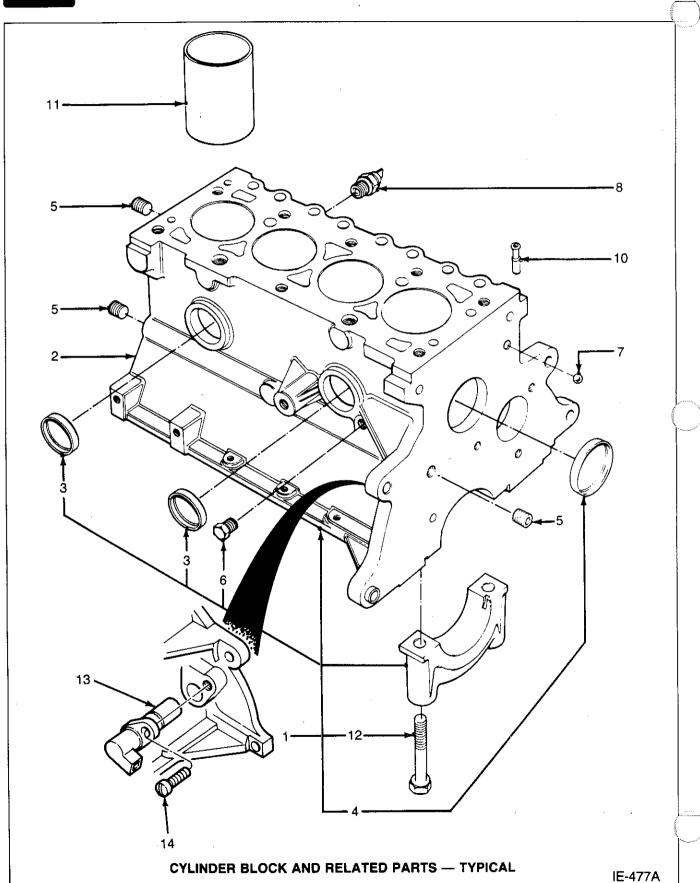






EF	VEAC		QUANTITY	
10.	YEAR	DESCRIPTION	67	79
		ENGINE GASKET KITS AND GASKETS		
		ENGINE GASKET KIT - COMPLETE		
1	84/89	™Kit	1	
	86/89 89/	●Kit ★Kit		1 1
	89/92	*Kit	1	
_		ENGINE GASKET KIT - UPPER		
2	84/89 86/89	■Kit	1	1
	89/ 89/	★Kit	1	
	00,	ENGINE GASKET KIT - LOWER		1
3	84/92	Kit - Oil Pan Gasket	,	
	92/ 86/	★Kit - Oil Pan Gasket		1
		GASKETS AND SEALS - NOT INCLUDED IN UPPER OR LOWER GASKET		
		KITS		
	84/	Gasket - Fuel Pump	1	1
- 1	84/86 84/	*Seal - Distributor to Cylinder Block Gasket - Water Pump	1 1	1
	84/ 84/	Seal - Front Cover	1 1	1
	84/92	Gasket - Rear Retainer	1 1	1
	92/ 86/	★Gasket - Rear Retainer	1	١.
0	84/	Seal - Crankshaft Rear	1	1
		*Used on engines having a breaker point ignition system.		
		Used on engines having a solid state ignition system.		
		★Used on engines having a distributorless ignition system.		
		■Used on engines having a breaker point or a solid state distributor ignition.		
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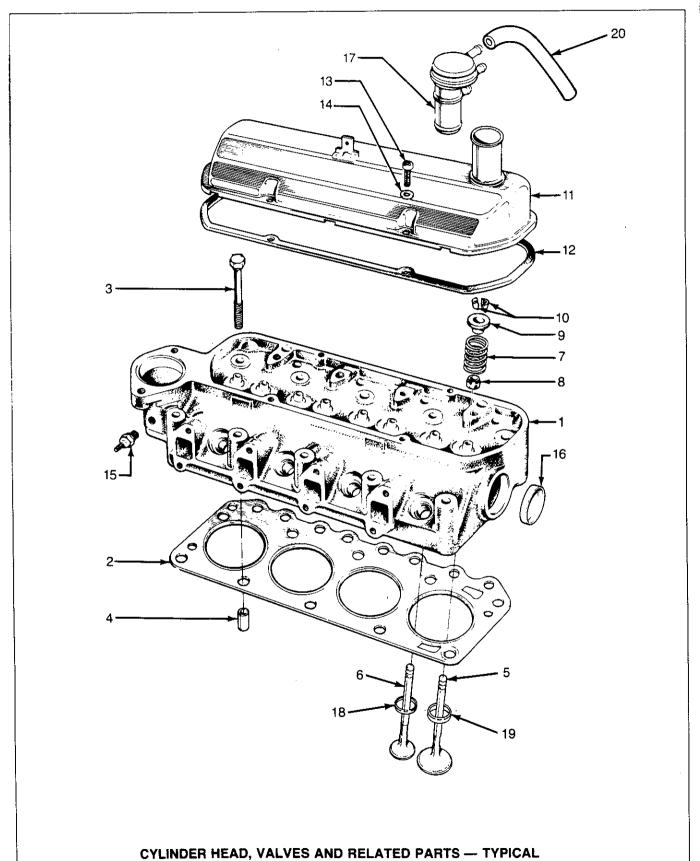




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REF			QUANTITY	
NO.	YEAR	DESCRIPTION	67	79
		CVI INDED DI CON AND DEL ATED DA DEC		
		CYLINDER BLOCK AND RELATED PARTS		İ
		BLOCK ASSEMBLY		
1	84/89	Block - Cylinder	1	
	86/89	Slock - Cylinder	'	1
	89/92 89/	★Block - Cylinder ★Block - Cylinder	1	
	92/	*Block - Cylinder	1	1
			'	
2	84/89	CYLINDER ASSEMBLY		
2	86/89	■Block - Cylinder - With Crank, Pistons, Rings, Etc. ■Block - Cylinder - With Crank, Pistons, Rings, Etc.	1	1
	89/92	★Block - Cylinder - With Crank, Pistons, Rings, Etc	1	'
	89/	★Block - Cylinder - With Crank, Pistons, Rings, Etc	'	1
	92/	★Block - Cylinder - With Crank, Pistons, Rings, Etc	1	
		PLUGS - CYLINDER BLOCK		
3	84/	Plugs - Expansion - 1.639 Dia.	2	2
5	84/ 84/	Plug - 51 mm (2.01)	1	1
6	84/	Plug - 1/4 NPT Plug - 1/4 NPT	3	3
7	84/	Plug - Ball - Oil Gallery - 11mm (.43)	;	
8	84/	Switch - Oil Pressure	1	1
9	84/	Cover - Oil Pressure Switch (Not Illustrated)	1	1
11	84/ 84/89	Adapter Liner - Cylinder	1	1
	86/89	Cylinder Cylinder	AR	A
ı	89/	★Liner - Cylinder	AR	_ ^
	89/	★Liner - Cylinder		Α
12	84/92 92/	Bolt - Main Bearing Cap	6	
	.	★Bolt - Main Bearing Cap	10	
	86/	Bolt - Main Bearing Cap		1(
		TRANSDUCER - IGNITION CONTROL		
13 14	89/ 89/	★Transducer - Ignition Control ★Screw - M6 x 14	1 1	1
		•Used on engines having a solid state ignition system.	'	
		★Used on engines having a distributorless ignition system.		
		Used on engines having a breaker point or a solid state distributor ignition.		
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