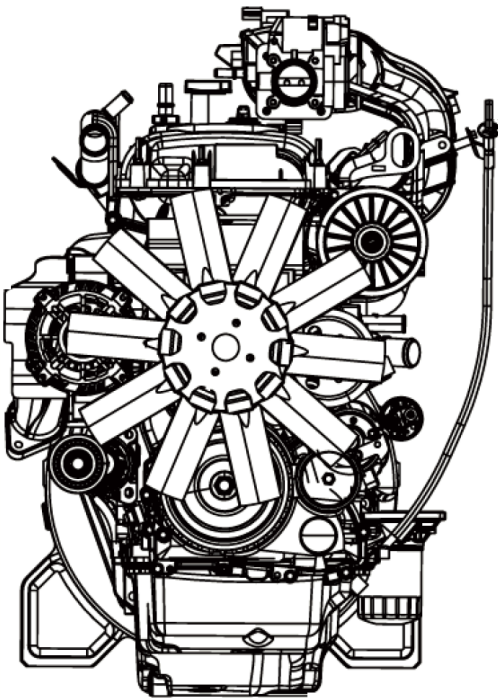


# PRODUCT SHEET:

## FORD 2.5L ENGINE



### FORD MSG-425 <sup>EFI</sup>

2.5 Liter  
4-Cylinder

### EMISSIONS INFORMATION

California Air Resources Board (CARB)  
Environmental Protection Agency (EPA)  
Emission Certified Packages Available

### STANDARD FEATURES and BENEFITS

- ✓ Set-for-life valve train
- ✓ Deep skirted ribbed cylinder block casting for rigidity
- ✓ Aluminum AA319 cylinder block
  - ✓ Cast with the Cosworth process
  - ✓ Cast-in-place iron cylinder liners
- ✓ Chain driven dual camshafts with automatic tensioning system
- ✓ Structural front cover and oil pan
- ✓ Alternate fuel ready valve train components
- ✓ Individual coil on plug electronic ignition
- ✓ Cast aluminum camshaft cover to ensure warp-free sealing
- ✓ Sintered metal connecting rods
- ✓ Nodular iron crankshaft, featuring
  - ✓ Five main bearings
  - ✓ Eight counterweights
- ✓ Broadband knock sensor, calibrated for individual cylinder use
- ✓ Gasoline Sequential Port Fuel Injection
- ✓ Closed loop fuel control for all fuels
- ✓ Electronic engine management system
  - ✓ Built-in engine protection against
    - ✓ Detonation
    - ✓ High coolant temperature
    - ✓ Low oil pressure
    - ✓ Over speed shutdown
    - ✓ Starter lockout
  - ✓ Next generation governing
    - ✓ Discrete speeds
    - ✓ Variable speeds
  - ✓ Drive by wire

# SAGE PARTS



Anticipating needs, meeting demands. Reducing costs.

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# PRODUCT SHEET:

## FORD 2.5L 4-CYLINDER

### Specifications

Engine Type .....	I-4
Bore and Stroke .....	3.5" x 3.93" (89mm x 100mm)
Displacement .....	2.5L Liter (152.5 CID)
Compression Ratio .....	9.7:1
Oil Capacity.....	7 qts. including filter
Net Weight .....	351 Lbs. with accessories (159 Kgs.)
Dimensions .....	L 30.3" x W 23.3" x H 32.6" (769 mm x 589 mm x 828 mm)

### Gasoline (corrected per SAE J1349)

Unleaded 87 or 89 octane		
Intermittent Power .....	84 [HP] @ 3200rpm	(62 [kW] @ 3200rpm)
Continuous power .....	75 [HP] @ 3200rpm	(56 [kW] @ 3200rpm)
Intermittent Torque .....	137 [ft-lbs] @3200rpm	(185 [N-m] @ 3200rpm)
Continuous Torque .....	123 [ft-lbs] @3200rpm	(166 [N-m] @ 3200rpm)

### Natural Gas (corrected per SAE J1349)

Fuel Specification .....			1050 BTU/FT3
Intermittent Power .....	76 [HP] @ 3200rpm	(56 [kW] @ 3200rpm)	
Continuous power .....	68 [HP] @ 3200rpm	(50 [kW] @ 3200rpm)	
Intermittent Torque .....	125 [ft-lbs] @3200rpm	(169 [N-m] @ 3200rpm)	
Continuous Torque .....	113 [ft-lbs] @3200rpm	(153 [N-m] @ 3200rpm)	

### Liquefied Petroleum Gas (corrected per SAE J1349)

Fuel Specification .....			HD-5
Intermittent Power .....	80 [HP] @ 3200rpm	(59 [kW] @ 3200rpm)	
Continuous power .....	72 [HP] @ 3200rpm	(53 [kW] @ 3200rpm)	
Intermittent Torque .....	131 [ft-lbs] @3200rpm	(177 [N-m] @ 3200rpm)	
Continuous Torque .....	118 [ft-lbs] @3200rpm	(160 [N-m] @ 3200rpm)	



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