

**300 Series**  
**Engine & Equipment**  
**Model**

**4.239D**

4 Cyl

Bore: 4.19 in  
 106.5 mm  
 Pin Ø: 1.375 in  
 35 mm

**APPLICATIONS:**

**AGRICULTURAL**

- 940 2450
- 942 2535
- 1640 2550
- 1840 2555CS
- 2130 2650
- 2135 2730
- 2250 2735
- 2350 3330
- 2355 3430
- 2355CS 6602
- 2360

**CONSTRUCTION**

- 70 400G
- 70D 415B
- 210C 415C
- 244E 490
- 290D 515B
- 310C/D
- 315C

|   |   |  |  |  |
|---|---|--|--|--|
|   |   |  |  |  |
| <b>1) Engine O/H Kit</b>  | <b>Piston-Liner Kit</b>   | <b>Main Bearing</b>  | <b>Thrust Bearing</b>  | <b>Con Rod Bearing</b>   |
| <b>2) Engine I/F Kit</b>  | <b>TRE30250</b><br>Consists of:   | <b>TRE27352</b> Std.   | <b>TAT21139</b> Std.   | <b>TRE27348</b> Std.   |
| <b>1) TAT86992</b>  | a) <b>TRE19282</b>  | <b>TRE27353</b> .010   | <b>TAT21132</b> .010   | <b>TRE27349</b> .010   |
| <b>2) TIK86992</b>  | b) <b>TRE66820</b>  | <b>TRE27360</b> .020   | <b>TAT21134</b> .020   | <b>TRE27358</b> .020   |
|   | c) <b>TR125754</b>  | <b>TRE27368</b> .030   | <b>TAT21136</b> .030   | <b>TRE27364</b> .030   |
|   | d) <b>TR116281</b>  |  |  |  |
|   | e) <b>TAR65507</b>  |  |  |  |
|   | f) <b>TM41029</b>   | <b>Use 4</b>   | <b>Use 1</b>   | <b>Use 4</b>   |
|   |   |  |  |  |
| <b>1) Front Seal</b><br><b>2) Rear Seal</b>   | <b>1) O/H Gasket Set</b>  | <b>1) Bush, Con Rod</b><br><b>2) Bolt, Con Rod</b><br><b>3) Bush, Bal. Shaft</b>   | 1) Pump, Oil<br>2) Oil Cooler<br>3) Rocker Arm<br>4) Rocker Shaft<br>5) Pump, Oil Tube<br>6) Cyl Hd Cap Screw                          | 1) Lower Gear<br>2) Lower Bushing<br>3) Upper Gear<br>4) Upper Bushing<br>5) Cam. Follower<br>6) Cam. Gear                   |
| 3) Crankshaft<br>4) Crankshaft, Gear<br>5) Ring Gear<br>6) Sleeve, Front<br>7) Packing, Sleeve  | 2) Head Gasket Set<br>3) Head Gasket<br>4) Oil Pan Gasket<br>5) Rocker Cover Gsk                          | 4) Bal. Shaft R/H<br>5) Bal. Shaft L/H<br>6) Camshaft<br>7) Bal. Shaft Stop<br>8) Con Rod  |  |  |
| <b>1) TAR67942</b><br><b>2) TRE44574</b><br><b>3) TAT18030</b> (1)<br>or<br><b>TRE20585</b> (2)<br><b>TT20094</b><br><b>TR114282</b> (142T)<br><b>TR81989</b><br><b>TH35244</b> | <b>1) TRE501579</b><br><b>2) TRE38851</b><br><b>3) TR125863</b><br><b>4) TR97342</b><br><b>5) TR73521</b> | <b>1) TR55647 x4</b><br><b>2) TR80033 x8 (3)</b><br><b>3) TR57160 x6 (5)</b><br><b>4) TRE26282 R/H (*)</b><br><b>5) TRE26283 L/H (*)</b><br><b>6) TR82820 (4)</b><br><b>7) TR88112</b><br><b>8) TRE16495</b> | <b>1) TRE55343</b><br><b>2) TRE31929</b><br><b>3) TRE31973</b><br><b>4) TR54987</b><br><b>5) TR113752</b><br><b>6) TR85363 x18 (6)</b> | <b>1) TAT24252</b><br><b>2) TT26321</b><br><b>3) TAT18009</b><br><b>4) TT20034</b><br><b>5) TT20073</b><br><b>6) TT20070</b> |
|   | Valve, Intake   | Valve, Exhaust   | Insert, Valve  | 1) Cap, Valve<br>2) Lock, Valve  |
|   | <b>TR79623</b> Std.<br><b>TR79628</b> .003<br><b>TR79629</b> .015   | <b>TR79624</b> Std.<br><b>TR79625</b> .003<br><b>TR79626</b> .015  | 1) Intake<br>2) Exhaust<br><b>1) TR73064</b> Std.<br><b>2) TR51734</b> Std.  | 1) Spring, Valve<br>2) Rotator, Valve<br>3) O'ring, Valve<br><b>1) TR26125</b><br><b>2) TRE11410</b><br><b>3) TR87627</b>    |
|   |   |  |  |  |
| 1) Thermostat<br>2) Thermostat Cover  | <b>Fuel Transfer Pump</b>   | <b>Water Pump Rep Kit</b><br>a) Without Impeller<br>b) With Impeller   | <b>Water Pump</b>  | <b>Transmission Oil Pump</b>   |
| <b>1) TRE33705</b> 180° F<br><b>2) TT23620</b>  | <b>TRE42211</b>   | a) <b>TRE19507</b><br>b) <b>TRE62658</b>   | <b>TAR97708</b><br>(m) R73604  | <b>TAL120106</b>   <b>TAL68094</b>   |
|   |   |  |  | 1) Seal<br>2) Injector, Pencil<br><b>1) TR60746</b><br><b>TR48000</b><br>2) <b>TAR89564</b>                                  |

(\*) If these engines use bolt on weights shafts use **TAR69710** RH and **TAR69711** LH.  
 (1) **TAT18030** Crankshaft 36mm (short) snout, (m) T23517.  
 (2) **TRE20585** Crankshaft 60mm (long) snout, (m) R81959 or R121018.  
 (3) For Connecting Rod (m) R58979, use **TR74194** Connecting Rod Bolt available upon request.  
 (4) Threaded Type.  
 (5) **TR91708** (Outer Diam. 2.00 mm / 0.078 in ) Larger and **TR57160R** (Inner Diam 0.5 mm / 0.020 in ) Smaller, are also available.  
 (6) Replace all R78558 Cap Screws with Flanged Head Cap Screw **TR85363**.