# 300 Series

**Engine & Equipment Model**

# 4.239T

**4 Cyl**

Bore: 4.19 in
106.5 mm
Pin Ø: 1.625 in
41 mm

**Con Rod (m):**
R80032, R113612, R122191

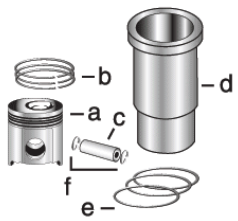
***APPLICATIONS:***

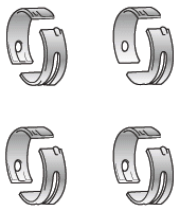
**AGRICULTURAL**

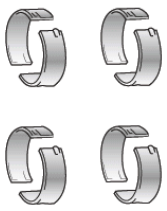
| | |
|---|---|
| 945 | 2750 |
| 952 | 2755 |
| 1052 | 2755 CS/TSS |
| 1155 | 2850 |
| 2140 | 2855 |
| 2450 | 2855N |
| 2555 | 3430 |
| 2555 TSS | 3830 |
| 2650 | |

**CONSTRUCTION**

310 C/D (Turbo)
315 C/D (Turbo)
515B





## 1) Engine O/H Kit

**2) Engine I/F Kit**

1) TRE54709

2) TIK54709

## Piston-Liner Kit

TRE33115

Consists of:

a) TRE19278
b) TRE66820
c) TR124230
d) TR116281
e) TAR65507
f ) TR54114

## Main Bearing

| | |
|---|---|
| TRE27352 | Std. |
| TRE27353 | .010 |
| TRE27360 | .020 |
| TRE27368 | .030 |

**Use 4**

## Thrust Bearing

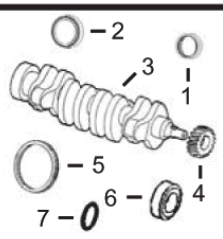
| | |
|---|---|
| TAT21139 | Std. |
| TAT21132 | .010 |
| TAT21134 | .020 |
| TAT21136 | .030 |

**Use 1**

## Con Rod Bearing

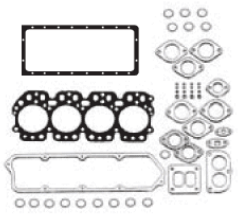
| | |
|---|---|
| TRE27348 | Std. |
| TRE27349 | .010 |
| TRE27358 | .020 |
| TRE27364 | .030 |

**Use 4**



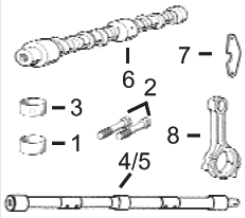

**1) Front Seal**
**2) Rear Seal**
3) Crankshaft
4) Crankshaft, Gear
5) Ring Gear
6) Sleeve, Front
7) Packing, Sleeve

1) TAR67942
2) TRE44574
3) TAT18030 (1)
or
TRE20585 (4)
4) TT20094
5) TR114282 (142T)
6) TR81989
7) TH35244



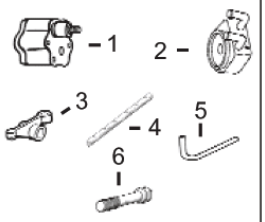
**1) O/H Gasket Set**
2) Head Gasket Set
3) Head Gasket
4) Oil Pan Gasket
5) Rocker Cover Gsk

1) TRE501579
2) TRE38851
3) TR125863
4) TR97342
5) TR73521



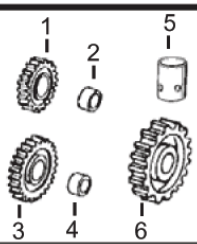

**1) Bush, Con Rod**
**2) Bolt, Con Rod**
**3) Bush, Bal. Shaft**
4) Bal. Shaft R/H
5) Bal. Shaft L/H
6) Camshaft
7) Bal. Shaft Stop
8) Con Rod

1) TR57451 *x4*
2) TR80033 *x8*
3) TR57160 *x6* (3)
4) TRE26282 R/H (*)
5) TRE26283 L/H (*)
6) TR82820 (5)
7) TR88112
8) TRE58347




1) Pump, Oil
2) Oil Cooler
3) Rocker Arm
4) Rocker Shaft
5) Pump, Oil Tube
6) Cyl Hd Cap Screw

1) TRE55343 (2)
2) TRE31929
3) TRE31973
4) TR54987
5) TR113752
6) TR85363 *x18* (6)




1) Lower Gear
2) Lower Bushing
3) Upper Gear
4) Upper Bushing
5) Cam. Follower
6) Cam. Gear

1) TAT24252
2) TT26321
3) TAT18009
4) TT20034
5) TT20073
6) TT20070

Valve, Intake

| | |
|---|---|
| TR83071 | Std. |
| TR89223 | .003 |
| TR89224 | .015 |

Valve, Exhaust

| | |
|---|---|
| TR79624 | Std. |
| TR79625 | .003 |
| TR79626 | .015 |

Insert, Valve
1) Intake
2) Exhaust

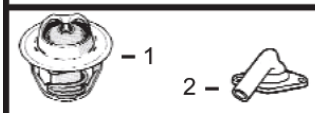
| | |
|---|---|
| 1) TR73064 | Std. |
| 2) TR51734 | Std. |

1) Cap, Valve
2) Lock, Valve

1) TT20129
2) TT20077

1) Spring, Valve
2) Rotator, Valve
3) O'ring, Valve

1) TR26125
2) TRE11410
3) TR87627




1) Thermostat
2) Thermostat Cover

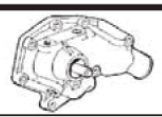
1) TAR48675 180° F
2) TT23620

Fuel Transfer Pump

TRE42211

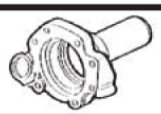
Water Pump Rep Kit
a) Without Impeller
b) With Impeller

See Chart



Water Pump

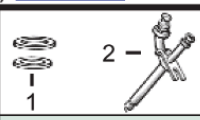
TAR97708
(m) R73604



Transmission Oil Pump

| | |
|---|---|
| TAL120106 | TAL68094 |

Verify P/N for your application




1) Seal
2) Injector, Pencil

1) TR60746
TR48000
2) TRE37503

(*) If these engines use bolt on weights shafts use TAR69710 RH and TAR69711 LH.
(1) TAT18030 Crankshaft 36mm (short) snout, (m) T23517.
(2) May use High Capacity Pump, Oil TRE65580.
(3) TR91708 (Outer Diam. 2.00 mm / 0.078 in ) Larger and TR57160R (Inner Diam 0.5 mm / 0.020 in ) Smaller, are also available.
(4) TRE20585 Crankshaft 60mm (long) snout, (m) R81959 or R121018.
(5) Threaded Type.
(6) Replace all R78558 Cap Screws with Flanged Head Cap Screw TR85363.