

PowerTech

Engine & Equipment
Model

6068T/H

6.8T/H

6 Cyl

Bore: 4.19 in
106.5 mm
Pin Ø: 1.62 in
41 mm

Piston (m):
RE55512, RE505102

Con Rod (m):
R114081, R500335

APPLICATIONS:

AGRICULTURAL


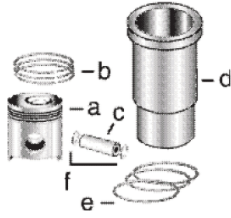



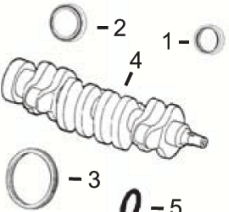
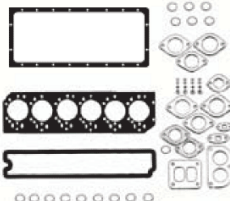
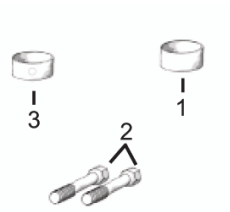
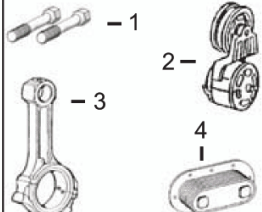
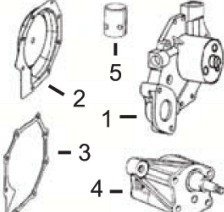





4700 7210 7610
6605 7405 9410
6615 7410
6715 7510

OEM

6.8L

CONSTRUCTION

200LL/LC 640G/II/III
230LC 643G
270LC 648G/II/III
540G/GLL 670C/CH
544H/HLL 672CH
TC544H 698G
548G/II/III 710D
624H/HLL 843G
TC624H 850G

| | | | | |
|--|--|---|---|---|
|  |  |  |  |  |
| 1) Engine O/H Kit | Piston-Liner Kit | Main Bearing | Thrust Bearing | Con Rod Bearing |
| 2) Engine I/F Kit | TRE507850 (RE505112) Consists of: a) TRE55512 b) TRE66820 c) TR123177 d) TR116383 e) TAR65507 f) TR54114 | TRE65165 Std. TRE65911 .010 TRE65165B .020 (8) | TRE65168 Std. TRE65912 .010 TRE65168B .020 (8) | TRE65908 Std. TRE65909 .010 TRE65908B .020 (8) |
| 1) TRE66097 TRE66097A (*) (*) w/C. Rod R500335 | | | | |
| 2) TIK66097 TIK66097A (*) (*) w/C. Rod R500335 | | Use 6 | Use 1 | Use 6 |
|  |  |  |  |  |
| 1) Front Seal 2) Rear Seal | 1) O/H Gasket Set | 1) Bush, Con Rod 2) Bolt, Con Rod 3) Bushing, Cam | 1) Cyl Hd Cap Screw 2) Tensioner, Belt 3) Con Rod 4) Oil Cooler | 1) Water Pump 2) Water Pump Cov 3) Water Pump Gsk 4) Pump, Oil 5) Tappet |
| 3) Ring Gear 4) Crankshaft 5) Seal | 2) Head Gasket Set 3) Head Gasket 4) Oil Pan Gasket 5) Rocker Cover Gsk | | | |
| 1) TRE505515 (5) 2) TRE44574 3) TR28811 (129T) or TR114282 (142T) 4) TRE52850 (3) 5) TH35244 | 1) TRE501456 2) TRE66085 3) TR116516 4) TR123354 5) TR123543 | 1) TR114082 x6 2) TR114083 x12 (1) TR501124 x12 (1) 3) TR119874 x1 | 1) TR85363 x26 (2) 2) TRE518097 (7) TRE68715 (7) 3) TRE500608 4) TRE59296 (5 Plates) TRE56690 (7 Plates) TRE59298 (9 Plates) | 1) TRE500737 (Standard Flow) TRE500734 (High Flow) 2) TRE508566 3) TR123417 4) TRE504914 5) TR123565 x12 |
|  | Valve, Intake | Valve, Exhaust | Insert, Valve 1) Intake 2) Exhaust | 1) Seal, Valve 2) Lock, Valve |
| | TR98062 Std. TR97490 .015 | TR90692 Std. TR97492 .015 | 1) TR98063 Std. TR98335 O/S 2) TR85687 Std. TR93910 O/S | 1) TRE31617 2) TR91889 |
|  |  |  |  | |
| Thermostat | Injector, Pencil | Seal, Injector | Fuel Transfer Pump | |
| TRE522076 180° F (10) TRE528652 180° F (10) TRE540550 180° F (10) TRE64354 180° F (10) | TRE60062 (Non Turbo) TRE48786 (Turbo) TRE531436 (6) | TR92352 TR48000 | TRE68345 or TRE66153 (4) | |

(1) Use [TR114083](#) Rod Bolts with Machine Split Connecting Rods, and use [TR501124](#) Rod Bolts with Fractured Split Connecting Rods.

(2) Replace all R78558 Cap Screws with Flanged Head Cap Screw [TR85363](#).

(3) Crankshaft (m) R116076, R502654.

- (4) Line Connections are both threaded.
- (5) 1 Piece Unitized Seal and Wearsleeve; Replaces [TRE59810](#), [RE538097](#).
- (6) Use with Stanadyne DE10 Injection Pump.
- (7) Check application for proper usage.
- (8) Proper bearing journal radius must be maintained during the machining of the crankshaft to ensure proper operation.