

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		Seal, Injector	
TRE522076 180° F (10) TRE528652 180° F (10) TRE540550 180° F (10) TRE64354 180° F (10)	Injector, Pencil TRE60062 (Non Turbo) TRE48786 (Turbo) TRE531436 (6)	TR92352 TR48000	Fuel Transfer Pump TRE68345 or TRE66153 (4)	

- (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.

(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.