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

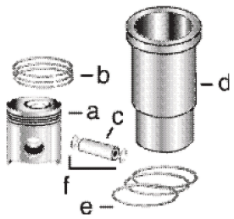
200LL/LC	640G/II/III
230LC	643G
270LC	648G/II/III
540G/GLL	670C/CH
544H/HLL	672CH
TC544H	698G
548G/II/III	710D
624H/HLL	843G
TC624H	850G

1) Engine O/H Kit

2) Engine I/F Kit

1) TRE66097
TRE66097A (*)
(*) w/C. Rod R500335

2) TIK66097
TIK66097A (*)
(*) w/C. Rod R500335



Piston-Liner Kit

TRE507850
(RE505112)
Consists of:
a) TRE55512
b) TRE66820
c) TR123177
d) TR116383
e) TAR65507
f) TR54114

Main Bearing

TRE65165 Std.
TRE65911 .010
TRE65165B .020 (8)

Use 6

Thrust Bearing

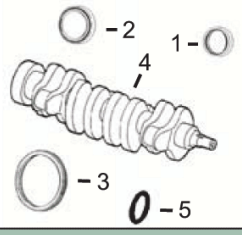
TRE65168 Std.
TRE65912 .010
TRE65168B .020 (8)

Use 1

Con Rod Bearing

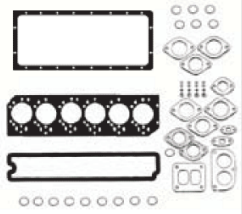
TRE65908 Std.
TRE65909 .010
TRE65908B .020 (8)

Use 6



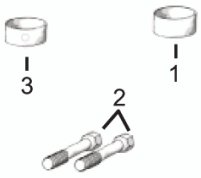
1) Front Seal
2) Rear Seal
3) Ring Gear
4) Crankshaft
5) Seal

1) TRE505515 (5)
2) TRE44574
3) TR28811 (129T)
or
TR114282 (142T)
4) TRE52850 (3)
5) TH35244



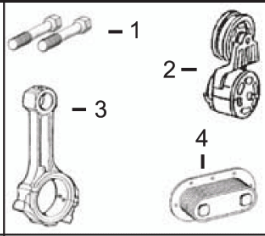
1) O/H Gasket Set
2) Head Gasket Set
3) Head Gasket
4) Oil Pan Gasket
5) Rocker Cover Gsk

1) TRE501456
2) TRE66085
3) TR116516
4) TR123354
5) TR123543



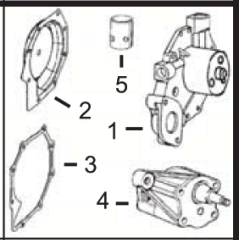
1) Bush, Con Rod
2) Bolt, Con Rod
3) Bushing, Cam

1) TR114082 *x6*
2) TR114083 *x12* (1)
TR501124 *x12* (1)
3) TR119874 *x1*



1) Cyl Hd Cap Screw
2) Tensioner, Belt
3) Con Rod
4) Oil Cooler

1) TR85363 *x26* (2)
2) TRE518097 (7)
TRE68715 (7)
3) TRE500608
4) TRE59296 (5 Plates)
TRE56690 (7 Plates)
TRE59298 (9 Plates)



1) Water Pump
2) Water Pump Cov
3) Water Pump Gsk
4) Pump, Oil
5) Tappet

1) TRE500737
(Standard Flow)
TRE500734
(High Flow)
2) TRE508566
3) TR123417
4) TRE504914
5) TR123565 *x12*

Valve, Intake

TR98062 Std.
TR97490 .015

Valve, Exhaust

TR90692 Std.
TR97492 .015

Insert, Valve
1) Intake
2) Exhaust

1) TR98063 Std.
TR98335 O/S
2) TR85687 Std.
TR93910 O/S

1) Seal, Valve
2) Lock, Valve

1) TRE31617
2) TR91889

1) Spring, Valve
2) Rotator, Valve

1) TR26125
2) TRE60005

Thermostat

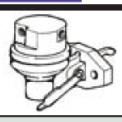
TRE522076 180° F (10)
TRE528652 180° F (10)
TRE540550 180° F (10)
TRE64354 180° F (10)

Injector, Pencil

TRE60062 (Non Turbo)
TRE48786 (Turbo)
TRE531436 (6)

Seal, Injector

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.