

PowerTech
Engine & Equipment
Model

6068D

6.8D

6 Cyl

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

Piston (m):
 RE59279, RE505101

Con Rod (m):
 RE123959, R500000

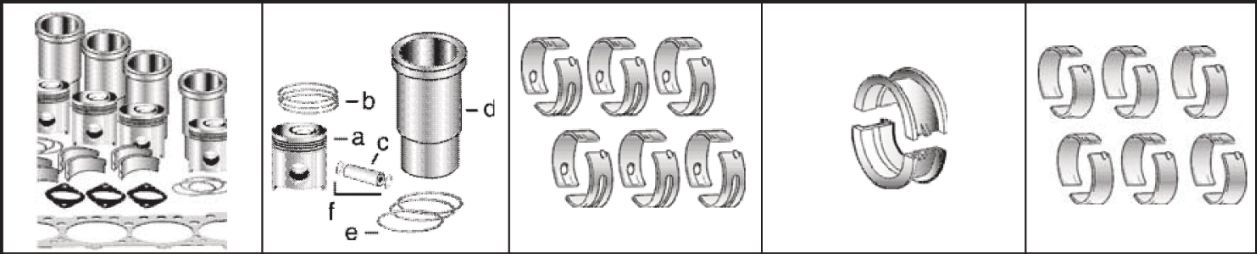
APPLICATIONS:

AGRICULTURAL

6205 6515
 6505 6520
 6510 SE6520
 SE6510

OEM

6.8L



1) Engine O/H Kit **Piston-Liner Kit** **Main Bearing** **Thrust Bearing** **Con Rod Bearing**

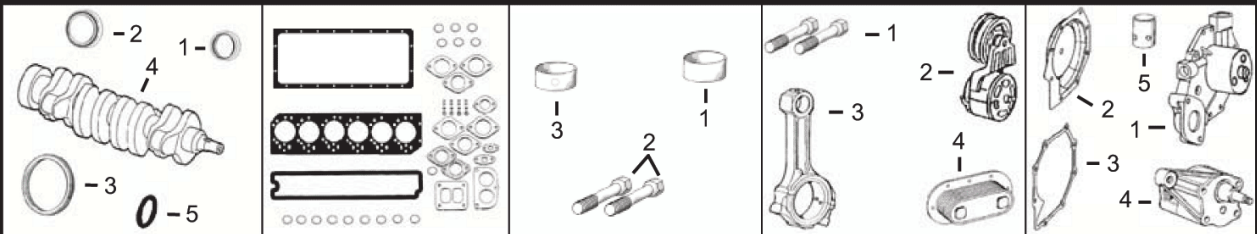
2) Engine I/F Kit **TRE65966 (RE505110)** **TRE65165 Std.** **TRE65168 Std.** **TRE65908 Std.**

1) TRE66095 **Consists of:** **TRE65911 .010** **TRE65912 .010** **TRE65909 .010**
TRE66095A (*) **a) TRE59279** **TRE65165B .020 (8)** **TRE65168B .020 (8)** **TRE65908B .020 (8)**
 (*) w/C. Rod R500000 **b) TRE66271**
2) TIK66095 **c) TR123178**
TIK66095A (*) **d) TR116383**
 (*) w/C. Rod R500000 **e) TAR65507**
 f) TM41029

Use 6

Use 1

Use 6



1) Front Seal **1) O/H Gasket Set** **1) Bush, Con Rod** **1) Cyl Hd Cap Screw** **1) Water Pump**
2) Rear Seal **2) Head Gasket Set** **2) Bolt, Con Rod** **2) Tensioner, Belt** **2) Water Pump Cov**
3) Ring Gear **3) Head Gasket** **3) Bushing, Cam** **3) Con Rod** **3) Water Pump Gsk**
4) Crankshaft **4) Oil Pan Gasket** **4) Oil Cooler** **4) Pump, Oil** **4) Pump, Oil**
5) Seal **5) Rocker Cover Gsk** **5) Tappet**

1) TRE505515 (5) **1) TRE501456** **1) TR123960 x6** **1) TR85363 x18 (2)** **1) TRE500737 (Standard Flow)**
2) TRE44574 **2) TRE66085** **2) TR114083 x12 (1)** **2) TRE518097 (7)** **TRE500734 (High Flow)**
3) TR28811 (129T) **3) TR116516** **TR501124 x12 (1)** **TRE68715 (7)** **2) TRE508566**
 4) TR114282 (142T) **4) TR123354** **3) TR119874 x1** **TRE500002** **3) TR123417**
4) TRE52850 (3) **5) TR123543** **4) TRE59296 (5 Plates)** **TRE56690 (7 Plates)** **4) TRE504914**
5) TH35244 **5) TR123565 x8** **TRE59298 (9 Plates)**

Valve, Intake **Valve, Exhaust** **Insert, Valve** **1) Seal, Valve** **1) Spring, Valve**
1) Intake **1) Exhaust** **1) Intake** **2) Lock, Valve** **2) Rotator, Valve**
2) Exhaust

TR98062 Std. **TR90692 Std.** **1) TR98063 Std.** **1) TRE31617** **1) TR26125**
TR97490 .015 **TR97492 .015** **TR98335 O/S** **2) TR91889** **2) TRE60005**
2) TR85687 Std. **2) TR93910 O/S**

Thermostat **Injector, Pencil** **Seal, Injector** **Fuel Transfer Pump**

TRE522076 180° F (7)
TRE528652 180° F (7)
TRE540550 180° F (7)
TRE64354 180° F (7)

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

TR92352
TR48000

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.