

PowerTech
Engine & Equipment
Model

4045D

4.5D

4 Cyl

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

Piston (m):
 RE59279, RE505101

Con Rod (m):
 R123959, R500000

APPLICATIONS:

AGRICULTURAL

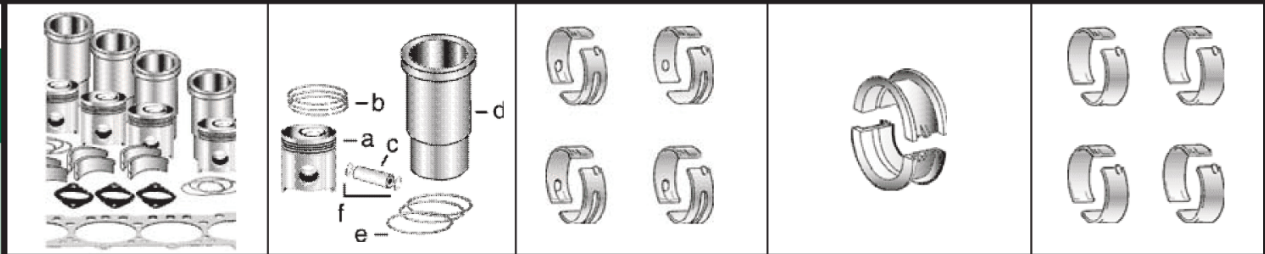
- 5410 5715
- 5415 6010
- 5420/N 6110
- 5510 6610
- 5615

OEM

4.5L

CONSTRUCTION

- 210LE 486E
- 310E 488E
- 450H 550H
- 485E 650H

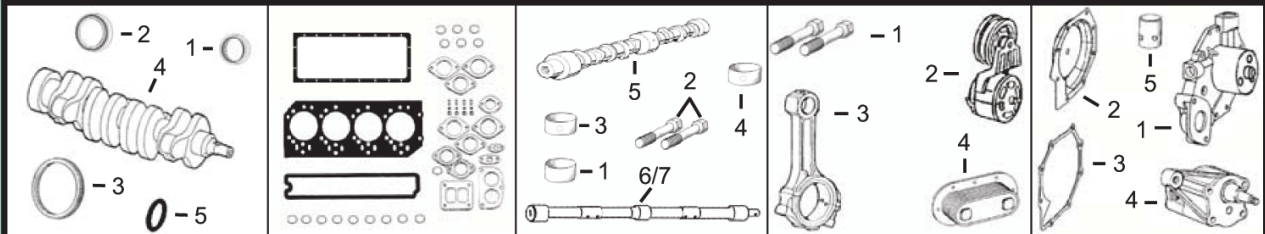


1) Engine O/H Kit **Piston-Liner Kit** **Main Bearing** **Thrust Bearing** **Con Rod Bearing**

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

1) TRE66092 **Consists of:** **TRE65911 .010** **TRE65912 .010** **TRE65909 .010**
TRE66092A (*) **a) TRE59279** **TRE65165B .020 (9)** **TRE65168B .020 (9)** **TRE65908B .020 (9)**
 (*) w/C. Rod R500000 **b) TRE66271**

2) TIK66092 **c) TR123178** **Use 4** **Use 1** **Use 4**
TIK66092A (*) **d) TR116383**
 (*) w/C. Rod R500000 **e) TAR65507**
f) TM41029



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) Bush, Bal.Shaft** **3) Con Rod** **3) Water Pump Gsk**
4) Crankshaft **4) Oil Pan Gasket** **4) Bush, Camshaft** **4) Oil Cooler** **4) Pump, Oil**
5) Seal **5) Rocker Cover Gsk** **5) Camshaft** **5) Tappet**

1) TRE505515 (8) **1) TRE501455** **1) TR123960 x4** **1) TR85363 x18 (4)** **1) TRE500737 (Standard Flow)**
2) TRE44574 **2) TRE66082** **2) TR114083 x8 (1)** **2) TRE518097 (10)** **TRE500734 (High Flow)**
3) TR28811 (129T) **3) TR116515** **TR501124 x8 (1)** **TRE68715 (10)**
 or **4) TR123352 (2)** **3) TR115299 x6** **3) TRE500002**
TR114282 (142T) **TR97342 (3)** **4) TR119874 x1** **4) TRE59296 (5 Plates)**
4) TRE50618 (5) **(R123353)** **5) TRE56375 (6)** **TRE56690 (7 Plates)**
5) TH35244 **5) TR123542** **7) TRE500449** **TRE59298 (9 Plates)**
5) TR123565 x8

Valve, Intake **Valve, Exhaust** **Insert, Valve** **1) Seal, Valve** **1) Spring, Valve**
1) Intake **1) Intake** **1) Intake** **2) Lock, Valve** **2) Rotator, Valve**
2) Exhaust **2) Exhaust** **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 (10) **TRE60062 (Non Turbo)** **TR92352** **TRE68345**
TRE528652 180° F (10) **TRE48786 (Turbo)** **TR48000** **or**
TRE540550 180° F (10) **TRE531436 (11)** **TRE66153 (7)**

(1) Use TR114083 Rod Bolts with Machine Split Connecting Rods, and use TR501124 Rod Bolts with Fractured Split Connecting Rods.
(2) Use with Oil Pan code 1901, 1902 & 1903, for Steel Oil Pan.
(3) Use with Oil Pan code 1904 & 1905, for Aluminum Oil Pan.
(4) Replace all R78558 Cap Screws with Flanged Head Cap Screw TR85363.
(5) Crankshaft (m) R113596. Not to be used with applications requiring speed sensor gear.
(6) (m) R135439, R132324, R134213.
(7) Line Connections are both threaded.
(8) 1 Piece Unitized Seal and Wearsleeve; Replaces TRE59810, RE538097.
(9) Proper bearing journal radius must be maintained during the machining of the crankshaft to ensure proper operation.
(10) Check application for proper usage.
(11) Use with Stanadyne DE10 Injection Pump.