

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


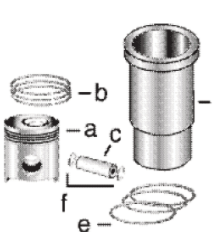


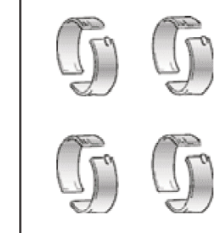
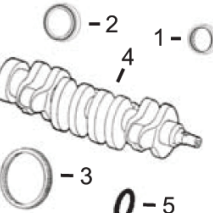
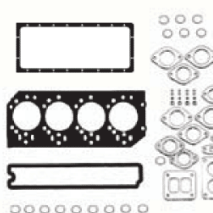
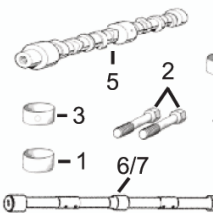
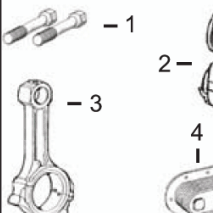
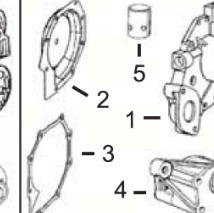
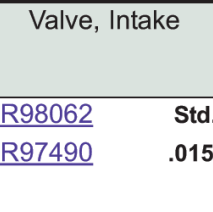

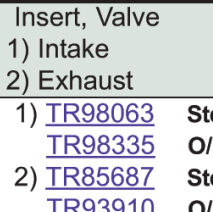

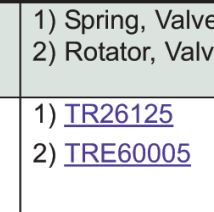


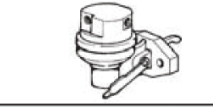

- 5410 5715
- 5415 6010
- 5420/N 6110
- 5510 6610
- 5615

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) Consists of: a) TRE59279 b) TRE66271 c) TR123178 d) TR116383 e) TAR65507 f) TM41029	TRE65165 Std. TRE65911 .010 TRE65165B .020 (9)	TRE65168 Std. TRE65912 .010 TRE65168B .020 (9)	TRE65908 Std. TRE65909 .010 TRE65908B .020 (9)
1) TRE66092 TRE66092A (*) (*) w/C. Rod R500000				
2) TIK66092 TIK66092A (*) (*) w/C. Rod R500000		Use 4	Use 1	Use 4
				
1) Front Seal 2) Rear Seal	1) O/H Gasket Set	1) Bush, Con Rod 2) Bolt, Con Rod 3) Bush, Bal. Shaft 4) Bush, Camshaft	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	5) Camshaft 6) Bal. Shaft R/H 7) Bal. Shaft L/H		
1) TRE505515 (8) 2) TRE44574 3) TR28811 (129T) or TR114282 (142T) 4) TRE50618 (5) 5) TH35244	1) TRE501455 2) TRE66082 3) TR116515 4) TR123352 (2) TR97342 (3) (R123353) 5) TR123542	1) TR123960 x4 2) TR114083 x8 (1) TR501124 x8 (1) 3) TR115299 x6 4) TR119874 x1 5) TRE56375 (6) 6) TRE500448 7) TRE500449	1) TR85363 x18 (4) 2) TRE518097 (10) TRE68715 (10) 3) TRE500002 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 x8
				
Valve, Intake	Valve, Exhaust	Insert, Valve 1) Intake 2) Exhaust	1) Seal, Valve 2) Lock, Valve	1) Spring, Valve 2) Rotator, 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	1) TR26125 2) TRE60005
				
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 (11)	TR92352 TR48000	TRE68345 or 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.