

**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**


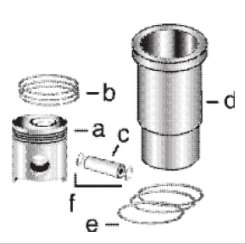



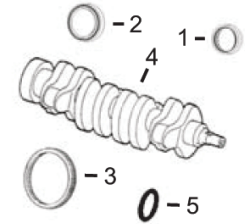
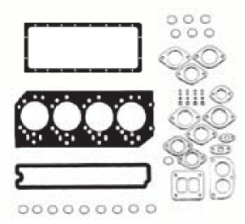
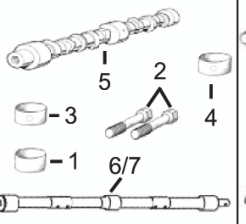
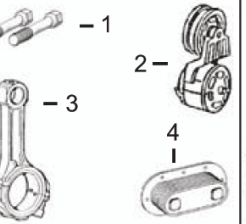
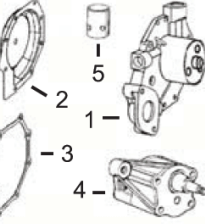

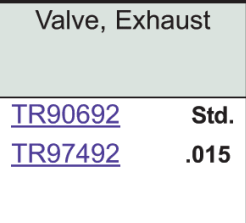
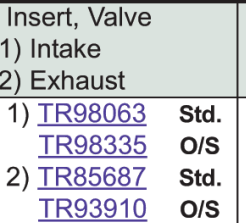

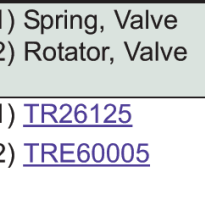


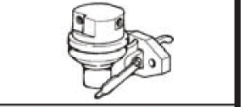
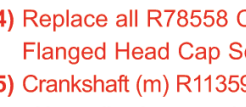
- 5410 5715
- 5415 6010
- 5420/N 6110
- 5510 6610
- 5615

**OEM**

4.5L

**CONSTRUCTION**

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

				
<b>1) Engine O/H Kit</b>	<b>Piston-Liner Kit</b>	<b>Main Bearing</b>	<b>Thrust Bearing</b>	<b>Con Rod Bearing</b>
<b>2) Engine I/F Kit</b>	<b>TRE65966 (RE505110)</b> Consists of: a) <a href="#">TRE59279</a> b) <a href="#">TRE66271</a> c) <a href="#">TR123178</a> d) <a href="#">TR116383</a> e) <a href="#">TAR65507</a> f) <a href="#">TM41029</a>	<a href="#">TRE65165</a> Std.  <a href="#">TRE65911</a> .010 <a href="#">TRE65165B</a> .020 (9)	<a href="#">TRE65168</a> Std.  <a href="#">TRE65912</a> .010 <a href="#">TRE65168B</a> .020 (9)	<a href="#">TRE65908</a> Std.  <a href="#">TRE65909</a> .010 <a href="#">TRE65908B</a> .020 (9)
<b>1) <a href="#">TRE66092</a> <a href="#">TRE66092A</a> (*) (*) w/C. Rod R500000</b>				
<b>2) <a href="#">TIK66092</a> <a href="#">TIK66092A</a> (*) (*) w/C. Rod R500000</b>		<b>Use 4</b>	<b>Use 1</b>	<b>Use 4</b>
				
<b>1) Front Seal</b> <b>2) Rear Seal</b>	<b>1) O/H Gasket Set</b>	<b>1) Bush, Con Rod</b> <b>2) Bolt, Con Rod</b> <b>3) Bush, Bal.Shaft</b> <b>4) Bush, Camshaft</b>	<b>1) Cyl Hd Cap Screw</b> <b>2) Tensioner, Belt</b> <b>3) Con Rod</b> <b>4) Oil Cooler</b>	<b>1) Water Pump</b> <b>2) Water Pump Cov</b> <b>3) Water Pump Gsk</b> <b>4) Pump, Oil</b> <b>5) Tappet</b>
<b>3) Ring Gear</b> <b>4) Crankshaft</b> <b>5) Seal</b>	<b>2) Head Gasket Set</b> <b>3) Head Gasket</b> <b>4) Oil Pan Gasket</b> <b>5) Rocker Cover Gsk</b>	<b>5) Camshaft</b> <b>6) Bal. Shaft R/H</b> <b>7) Bal. Shaft L/H</b>		
<b>1) <a href="#">TRE505515</a> (8)</b> <b>2) <a href="#">TRE44574</a></b> <b>3) <a href="#">TR28811</a> (129T)</b> or <b><a href="#">TR114282</a> (142T)</b> <b>4) <a href="#">TRE50618</a> (5)</b> <b>5) <a href="#">TH35244</a></b>	<b>1) <a href="#">TRE501455</a></b> <b>2) <a href="#">TRE66082</a></b> <b>3) <a href="#">TR116515</a></b> <b>4) <a href="#">TR123352</a> (2)</b> <b><a href="#">TR97342</a> (3)</b> (R123353) <b>5) <a href="#">TR123542</a></b>	<b>1) <a href="#">TR123960</a> x4</b> <b>2) <a href="#">TR114083</a> x8 (1)</b> <b><a href="#">TR501124</a> x8 (1)</b> <b>3) <a href="#">TR115299</a> x6</b> <b>4) <a href="#">TR119874</a> x1</b> <b>5) <a href="#">TRE56375</a> (6)</b> <b>6) <a href="#">TRE500448</a></b> <b>7) <a href="#">TRE500449</a></b>	<b>1) <a href="#">TR85363</a> x18 (4)</b> <b>2) <a href="#">TRE518097</a> (10)</b> <b><a href="#">TRE68715</a> (10)</b> <b>3) <a href="#">TRE500002</a></b> <b>4) <a href="#">TRE59296</a> (5 Plates)</b> <b><a href="#">TRE56690</a> (7 Plates)</b> <b><a href="#">TRE59298</a> (9 Plates)</b>	<b>1) <a href="#">TRE500737</a> (Standard Flow)</b> <b><a href="#">TRE500734</a> (High Flow)</b> <b>2) <a href="#">TRE508566</a></b> <b>3) <a href="#">TR123417</a></b> <b>4) <a href="#">TRE504914</a></b> <b>5) <a href="#">TR123565</a> x8</b>
				
Valve, Intake	Valve, Exhaust	Insert, Valve 1) Intake 2) Exhaust	1) Seal, Valve 2) Lock, Valve	1) Spring, Valve 2) Rotator, Valve
<a href="#">TR98062</a> Std. <a href="#">TR97490</a> .015	<a href="#">TR90692</a> Std. <a href="#">TR97492</a> .015	1) <a href="#">TR98063</a> Std. <a href="#">TR98335</a> O/S 2) <a href="#">TR85687</a> Std. <a href="#">TR93910</a> O/S	1) <a href="#">TRE31617</a> 2) <a href="#">TR91889</a>	1) <a href="#">TR26125</a> 2) <a href="#">TRE60005</a>
				
<b>Thermostat</b>	<b>Injector, Pencil</b>	<b>Seal, Injector</b>	<b>Fuel Transfer Pump</b>	
<a href="#">TRE522076</a> 180° F (10) <a href="#">TRE528652</a> 180° F (10) <a href="#">TRE540550</a> 180° F (10) <a href="#">TRE64354</a> 180° F (10)	<a href="#">TRE60062</a> (Non Turbo) <a href="#">TRE48786</a> (Turbo) <a href="#">TRE531436</a> (11)	<a href="#">TR92352</a> <a href="#">TR48000</a>	<a href="#">TRE68345</a> or <a href="#">TRE66153</a> (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.