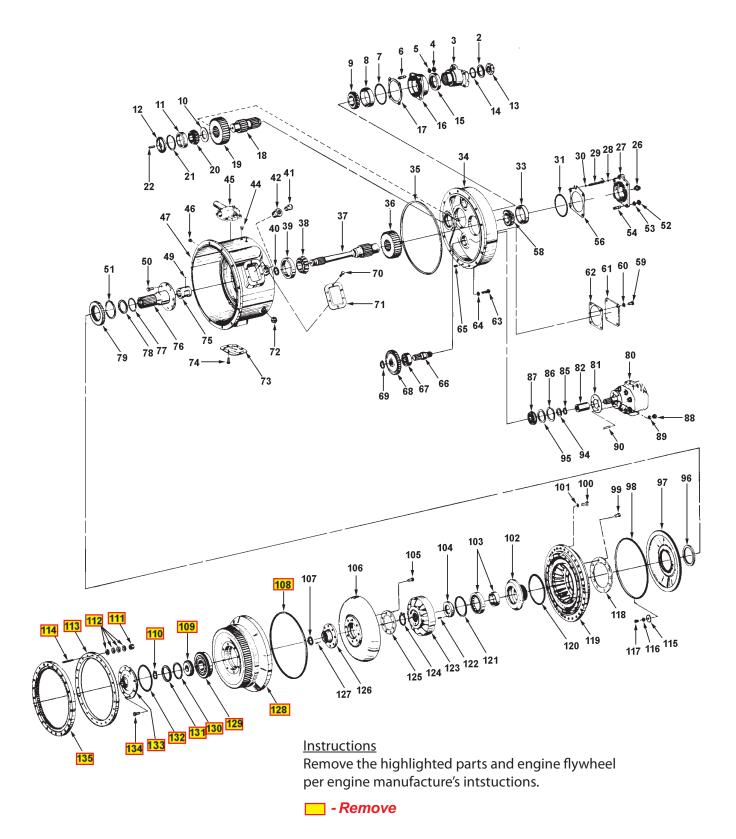


Flexplate Conversion Installation Instructions

For all Wagner units using Clark 8000 torque converter.

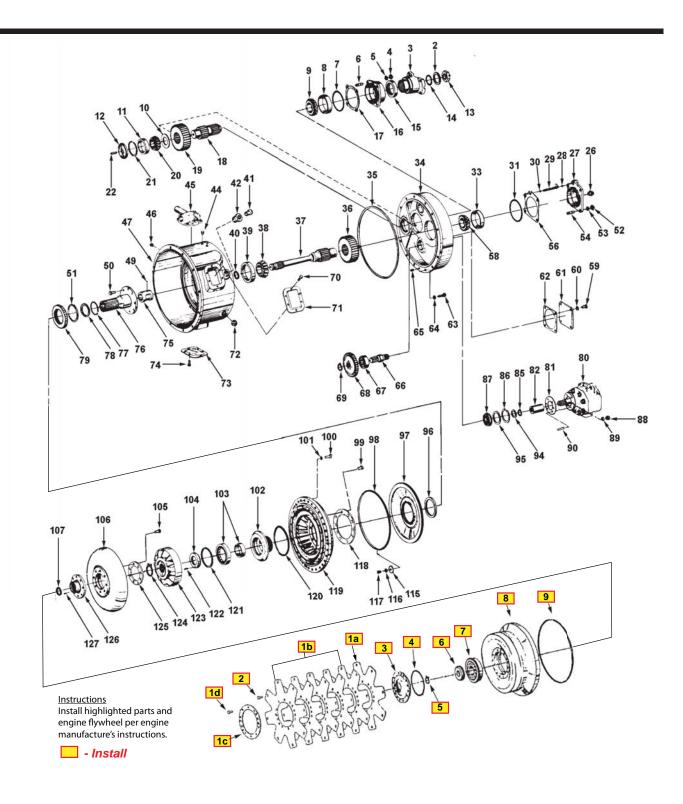
Use the following instructions for modifying your ring gear torque converter to a flexplate torque converter.

If you have any questions, please feel free to contact the Allied Systems Company service or service parts department and reference this service form (503) 625-2560.





3 212252 1 .Flange, Output 75 212475 1 .5 4 234217 4 .Nut 76 212474 1 .5 5 200604 4 .Lockwasher 77 *a 222446 1 .6 6 212440 4 .Stud 79 234904 1 .6 7 *a 236877 1 .O-Ring 80 *c 222452 1 .1 8 236878 1 .Bearing Cup, Rear 81 *a R235961 1 9 236879 1 .Bearing Cone, Rear 82 539968 1 10 212433 1 .Bearing Spacer, Front 85 212494 3 11 212432 1 .Bearing Cup, Front 86 212493 3 12 212431 1 .Oil Baffle 87 234905 3 13 201250 1 .Nut 87A 234905 3 14 *a 236880 1 .O-Ring 88 223453 6 15 *a 212250 1 .Oil Seal 89 201567 6 16 214844 1 .Bearing Cap 90 233078 6 17 212443 A/R .Shim, Bearing Cap, .004 94 212499 3 17A 212444 A/R .Shim, Bearing Cap, .007 95 212500 3 17B 212445 A/R .Shim, Bearing Cap, .007 95 212500 3 18 212446 1 .Shaft, Output 97 212502 1 19 222324 1 .Shaft Gear, Output 98 *a 212530 1 20 212448 1 .Bearing Cone, Front 99 233079 16 21 212450 1 .Shaft Gear, Output 98 *a 212530 1 22 212451 1 .Dil Tube 101 200603 32 24 212450 1 .Snap Ring, Front Bearing 100 222416 32 25 209916 1 .Plug, Pipe 102 236078 1	Lockwasher Sleeve, Oil Distributor Sleeve Assembly, Stator Support Piston Ring Gear, Oil Pump Drive Pump, Converter Charging Gasket, Charging Pump Pump Sleeve With Snap Ring Snap Ring Snap Ring Bearing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller Bearing
3 212252 1 .Flange, Output 75 212475 1 .5 4 234217 4 .Nut 76 212474 1 .5 5 200604 4 .Lockwasher 77 *a 222446 1 .Fl 6 212440 4 .Stud 79 234904 1 .6 7 *a 236877 1 .O-Ring 80 *c 222452 1 .Fl 8 236878 1 .Bearing Cup, Rear 81 *a R235961 1 9 236879 1 .Bearing Cone, Rear 82 539968 1 .Fl 10 212433 1 .Bearing Spacer, Front 85 212494 3 11 212432 1 .Bearing Cup, Front 86 212493 3 12 212431 1 .Oil Baffle 87 234905 3 13 201250 1 .Nut 87A 234905 3 14 *a 236880 1 .O-Ring 88 223453 6 15 *a 212250 1 .Oil Seal 89 201567 6 16 214844 1 .Bearing Cap 90 233078 6 17 212443 A/R .Shim, Bearing Cap, .004 94 212499 3 17A 212444 A/R .Shim, Bearing Cap, .004 94 212499 3 17B 212445 A/R .Shim, Bearing Cap, .007 95 212500 3 17B 212445 A/R .Shim, Bearing Cap, .010 96 *a 222453 1 18 212446 1 .Shaft, Output 97 212502 1 19 222324 1 .Shaft Gear, Output 98 *a 212530 1 20 212448 1 .Bearing Cone, Front 99 233079 16 21 212450 1 .Shaft Gear, Output 98 *a 212530 1 22 212451 1 .Oil Tube 101 200603 32 24 209916 1 .Plug, Pipe 102 236078 1	Sleeve, Oil Distributor Sleeve Assembly, Stator Support Piston Ring Gear, Oil Pump Drive Pump, Converter Charging Gasket, Charging Pump Pump Sleeve With Snap Ring Snap Ring Snap Ring Bearing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
4 234217 4 . Nut 76 212474 1 . S 5 200604 4 . Lockwasher 77 *a 222446 1 . I 6 212440 4 . Stud 79 234904 1 . 6 7 *a 236877 1 . O-Ring 80 *c 222452 1 . I 8 236878 1 . Bearing Cup, Rear 81 *a R235961 1 . 0 9 236879 1 . Bearing Cone, Rear 82 539968 1 . I 10 212433 1 . Bearing Spacer, Front 85 212494 3 . S 11 212432 1 . Bearing Cup, Front 86 212493 3 . S 12 212431 1 . Oil Baffle 87 234905 3 . I 13 201250 1 . Nut 87A 234903 3 . S 14 *a 236880 1 . O-Ring 88 223453 6 . I 15	Sleeve Assembly, Stator Support Piston Ring Gear, Oil Pump Drive Pump, Converter Charging Gasket, Charging Pump Pump Sleeve With Snap Ring Snap Ring Snap Ring Bearing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
5 200604 4 Lockwasher 77 *a 222446 1 .I 6 212440 4 .Stud 79 234904 1 .0 7 *a 236877 1 .O-Ring 80 *c 222452 1 .I 8 236878 1 .Bearing Cup, Rear 81 *a R235961 1 .0 9 236879 1 .Bearing Cone, Rear 82 539968 1 .1 10 212433 1 .Bearing Spacer, Front 85 212494 3 .5 11 212432 1 .Bearing Cup, Front 86 212493 3 .5 12 212431 1 .Oil Baffle 87 234905 3 .1 13 201250 1 .Nut 87A 234903 3 .5 14 *a 236880 1 .O-Ring 88 223453 6 .1 15 *a 212250 1	Piston Ring Gear, Oil Pump Drive Pump, Converter Charging Gasket, Charging Pump Pump Sleeve With Snap Ring Snap Ring Bearing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
6 212440 4 Stud 79 234904 1 .0 7 *a 236877 1 .O-Ring 80 *c 222452 1 .1 8 236878 1 .Bearing Cup, Rear 81 *a R235961 1 .0 9 236879 1 .Bearing Cone, Rear 82 539968 1 .1 10 212433 1 .Bearing Spacer, Front 85 212494 3 .5 11 212432 1 .Bearing Cup, Front 86 212493 3 .5 12 212431 1 .Oil Baffle 87 234905 3 .1 13 201250 1 .Nut 87A 234905 3 .5 14 *a 236880 1 .O-Ring 88 223453 6 .6 15 *a 212250 1 .Oil Seal 89 201567 6 .1 16 214844 1 <	Gear, Oil Pump Drive Pump, Converter Charging Gasket, Charging Pump Pump Sleeve With Snap Ring Snap Ring Bearing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Oil Seal Oil Seal Oil Seal Ocrew, Impeller Hub Screw Lockwasher Hub, Impeller
7 *a 236877 1 O-Ring 80 *c 222452 1 I 8 236878 1 Bearing Cup, Rear 81 *a R235961 1 .0 9 236879 1 Bearing Cone, Rear 82 539968 1 .1 10 212433 1 Bearing Spacer, Front 85 212494 3 .5 11 212432 1 Bearing Cup, Front 86 212493 3 .5 12 212431 1 Oil Baffle 87 234905 3 .1 13 201250 1 Nut 87A 234903 3 .5 14 *a 236880 1 O-Ring 88 223453 6 .1 15 *a 212250 1 Oil Seal 89 201567 6 .1 16 214844 1 Bearing Cap 90 233078 6 .5 <td>Pump, Converter Charging Gasket, Charging Pump Pump Sleeve With Snap Ring Snap Ring Snap Ring Searing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Oil Seal Oil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller</td>	Pump, Converter Charging Gasket, Charging Pump Pump Sleeve With Snap Ring Snap Ring Snap Ring Searing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Oil Seal Oil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
8 236878 1 . Bearing Cup, Rear 81 *a R235961 1 . 0 9 236879 1 . Bearing Cone, Rear 82 539968 1 . 1 10 212433 1 . Bearing Spacer, Front 85 212494 3 . 6 11 212432 1 . Bearing Cup, Front 86 212493 3 . 5 12 212431 1 . Oil Baffle 87 234905 3 . 5 13 201250 1 . Nut 87A 234903 3 . 5 14 *a 236880 1 . O-Ring 88 223453 6 . 1 15 *a 212250 1 . Oil Seal 89 201567 6 . 1 16 214844 1 . Bearing Cap 90 233078 6 . 5 17 212443 A/R . Shim, Bearing Cap, .004 94 212499 3 . V 17A 212444 A/R . Shim, Bearing Cap, .007 95 212500 3 . V	Gasket, Charging Pump Pump Sleeve With Snap Ring Snap Ring Snap Ring Bearing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
9 236879 1 Bearing Cone, Rear 82 539968 1 1 1	Pump Sleeve With Snap Ring Snap Ring Snap Ring Searing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
10 212433 1 Bearing Spacer, Front 85 212494 3 .5 11 212432 1 Bearing Cup, Front 86 212493 3 .5 12 212431 1 Oil Baffle 87 234905 3 .6 13 201250 1 Nut 87A 234903 3 .5 14 *a 236880 1 O-Ring 88 223453 6 .1 15 *a 212250 1 Oil Seal 89 201567 6 .1 16 214844 1 Bearing Cap 90 233078 6 .5 17 212443 A/R Shim, Bearing Cap, .004 94 212499 3 .V 17A 212444 A/R Shim, Bearing Cap, .007 95 212500 3 .V 17B 212445 A/R Shim, Bearing Cap, .010 96 *a 222453 1 .6 18 212446 <td>Snap Ring Snap Ring Snap Ring Bearing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller</td>	Snap Ring Snap Ring Snap Ring Bearing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
11 212432 1 Bearing Cup, Front 86 212493 3 .8 12 212431 1 Oil Baffle 87 234905 3 .1 13 201250 1 Nut 87A 234903 3 .5 14 *a 236880 1 O-Ring 88 223453 6 .1 15 *a 212250 1 Oil Seal 89 201567 6 .1 16 214844 1 Bearing Cap 90 233078 6 .5 17 212443 A/R Shim, Bearing Cap, .004 94 212499 3 .0 17A 212444 A/R Shim, Bearing Cap, .007 95 212500 3 .0 17B 212445 A/R Shim, Bearing Cap, .010 96 *a 222453 1 .6 18 212446 1 Shaft Gear, Output 97 212502 1 .6 19 222324 1 Shaft Gear, Output 98 *a 212530 1 .6	Snap Ring Bearing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
12 212431 1 Oil Baffle 87 234905 3 .1 13 201250 1 Nut 87A 234903 3 .5 14 *a 236880 1 .O-Ring 88 223453 6 .1 15 *a 212250 1 .Oil Seal 89 201567 6 .1 16 214844 1 .Bearing Cap 90 233078 6 .5 17 212443 A/R .Shim, Bearing Cap, .004 94 212499 3 .V 17A 212444 A/R .Shim, Bearing Cap, .007 95 212500 3 .V 17B 212445 A/R .Shim, Bearing Cap, .010 96 *a 222453 1 .0 18 212446 1 .Shaft, Output 97 212502 1 .0 19 222324 1 .Shaft Gear, Output 98 *a 212530 1 .0 20 212448 1 .Bearing Cone, Front 99 233079 16 .5	Bearing, Pump Shaft Rear Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
13 201250 1 . Nut 87A 234903 3 . S 14 *a 236880 1 . O-Ring 88 223453 6 . I 15 *a 212250 1 . Oil Seal 89 201567 6 . I 16 214844 1 . Bearing Cap 90 233078 6 . S 17 212443 A/R . Shim, Bearing Cap, .004 94 212499 3 . V 17A 212444 A/R . Shim, Bearing Cap, .007 95 212500 3 . V 17B 212445 A/R . Shim, Bearing Cap, .010 96 *a 222453 1 . G 18 212446 1 . Shaft, Output 97 212502 1 . G 19 222324 1 . Shaft Gear, Output 98 *a 212530 1 . G 20 212448 1 . Bearing Cone, Front 99 233079 16 . S 21 212450 1 . Snap Ring, Front Bearing 100 222416 32 <td>Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller</td>	Spacer Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
14 *a 236880 1 . O-Ring 88 223453 6 . I 15 *a 212250 1 . Oil Seal 89 201567 6 . I 16 214844 1 . Bearing Cap 90 233078 6 . S 17 212443 . A/R . Shim, Bearing Cap, .004 94 212499 3 . V 17A 212444 . A/R . Shim, Bearing Cap, .007 95 212500 3 . V 17B 212445 . A/R . Shim, Bearing Cap, .010 96 *a 222453 1 . G 18 212446 1 . Shaft, Output 97 212502 1 . G 19 222324 1 . Shaft Gear, Output 98 *a 212530 1 . G 20 212448 1 . Bearing Cone, Front 99 233079 16 . S 21 212450 1 . Snap Ring, Front Bearing 100 222416 32 . S 22 212451 1 .	Nut Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
15 *a 212250 1 Oil Seal 89 201567 6 .1 16 214844 1 .Bearing Cap 90 233078 6 .5 17 212443 A/R .Shim, Bearing Cap, .004 94 212499 3 .V 17A 212444 A/R .Shim, Bearing Cap, .007 95 212500 3 .V 17B 212445 A/R .Shim, Bearing Cap, .010 96 *a 222453 1 .6 18 212446 1 .Shaft, Output 97 212502 1 .0 19 222324 1 .Shaft Gear, Output 98 *a 212530 1 .0 20 212448 1 .Bearing Cone, Front 99 233079 16 .5 21 212450 1 .Snap Ring, Front Bearing 100 222416 32 .5 22 212451 1 .Oil Tube 101 200603 32 .1 26 209916 1 .Plug, Pipe 102	Lockwasher Stud Washer, Rear Bearing Washer, Rear Bearing Oil Seal Oil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
16 214844 1 . Bearing Cap 90 233078 6 . S 17 212443 A/R . Shim, Bearing Cap, .004 94 212499 3 . V 17A 212444 A/R . Shim, Bearing Cap, .007 95 212500 3 . V 17B 212445 A/R . Shim, Bearing Cap, .010 96 *a 222453 1 . 6 18 212446 1 . Shaft, Output 97 212502 1 . 6 19 222324 1 . Shaft Gear, Output 98 *a 212530 1 . 6 20 212448 1 . Bearing Cone, Front 99 233079 16 . 5 21 212450 1 . Snap Ring, Front Bearing 100 222416 32 . 5 22 212451 1 . Oil Tube 101 200603 32 . 1 26 209916 1 . Plug, Pipe 102 236078 1 . 1	Stud Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
17 212443 A/R . Shim, Bearing Cap, .004 94 212499 3 . V 17A 212444 A/R . Shim, Bearing Cap, .007 95 212500 3 . V 17B 212445 A/R . Shim, Bearing Cap, .010 96 *a 222453 1 . 6 18 212446 1 . Shaft, Output 97 212502 1 . 6 19 222324 1 . Shaft Gear, Output 98 *a 212530 1 . 6 20 212448 1 . Bearing Cone, Front 99 233079 16 . 5 21 212450 1 . Snap Ring, Front Bearing 100 222416 32 . 5 22 212451 1 . Oil Tube 101 200603 32 . I 26 209916 1 . Plug, Pipe 102 236078 1 . I	Washer, Rear Bearing Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
17A 212444 A/R . Shim, Bearing Cap, .007 95 212500 3 . N 17B 212445 A/R . Shim, Bearing Cap, .010 96 *a 222453 1 . 0 18 212446 1 . Shaft, Output 97 212502 1 . 0 19 222324 1 . Shaft Gear, Output 98 *a 212530 1 . 0 20 212448 1 . Bearing Cone, Front 99 233079 16 . 5 21 212450 1 . Snap Ring, Front Bearing 100 222416 32 . 5 22 212451 1 . Oil Tube 101 200603 32 . 1 26 209916 1 . Plug, Pipe 102 236078 1 . 1	Washer, Rear Bearing Dil Seal Dil Baffle D-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
17B 212445 A/R . Shim, Bearing Cap, .010 96 *a 222453 1 .0 18 212446 1 . Shaft, Output 97 212502 1 .0 19 222324 1 . Shaft Gear, Output 98 *a 212530 1 .0 20 212448 1 . Bearing Cone, Front 99 233079 16 .5 21 212450 1 . Snap Ring, Front Bearing 100 222416 32 .5 22 212451 1 . Oil Tube 101 200603 32 .1 26 209916 1 . Plug, Pipe 102 236078 1 . I	Oil Seal Oil Seal Oil Baffle O-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
18 212446 1 . Shaft, Output 97 212502 1 . 0 19 222324 1 . Shaft Gear, Output 98 *a 212530 1 . 0 20 212448 1 . Bearing Cone, Front 99 233079 16 . 5 21 212450 1 . Snap Ring, Front Bearing 100 222416 32 . 5 22 212451 1 . Oil Tube 101 200603 32 . I 26 209916 1 . Plug, Pipe 102 236078 1 . I	Oil Baffle O-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
19 222324 1 . Shaft Gear, Output 98 *a 212530 1 . 0 20 212448 1 . Bearing Cone, Front 99 233079 16 . 5 21 212450 1 . Snap Ring, Front Bearing 100 222416 32 . 5 22 212451 1 . Oil Tube 101 200603 32 . I 26 209916 1 . Plug, Pipe 102 236078 1 . I	O-Ring Screw, Impeller Hub Screw Lockwasher Hub, Impeller
20 212448 1 Bearing Cone, Front 99 233079 16 3 21 212450 1 Snap Ring, Front Bearing 100 222416 32 3 22 212451 1 Oil Tube 101 200603 32 1 26 209916 1 Plug, Pipe 102 236078 1 1	Screw, Impeller Hub Screw Lockwasher Hub, Impeller
21 212450 1 . Snap Ring, Front Bearing 100 222416 32 . S 22 212451 1 . Oil Tube 101 200603 32 . I 26 209916 1 . Plug, Pipe 102 236078 1 . I	Screw Lockwasher Hub, Impeller
22 212451 1 .Oil Tube 101 200603 32 .I 26 209916 1 .Plug, Pipe 102 236078 1 .I	Lockwasher Hub, Impeller
26 209916 1 . Plug, Pipe 102 236078 1 . I	Hub, Impeller
0 / 1	· ·
27 212455 1 Bearing Cap 103 212506 1	Bearing
V 1	•
	Spacer, Reaction Member
	Screw, Turbine Hub
· · · · · · · · · · · · · · · · · · ·	Turbine
	Snap Ring
	O-Ring
34 227811 1 . Cover, Housing Rear 109 212513 1 . I	Retainer, Bearing
35 *a 212460 1 . O-Ring <mark>110</mark> 212514 1 . S	Snap Ring
	Nut
	Nasher, Belleville
	Plate, Backing
	Stud
· · · · · · · · · · · · · · · · · · ·	Washer
	_ockwasher
· · ·	Screw
	Backing Ring
	mpeller
	O-Ring, Impeller Hub
3 . 1	Snap Ring
	Pin, Spacer Roll
·	Reaction Member
	Snap Ring
52 234217 4 .Nut 125 233084 1 .I	Ring, Backing
	Hub, Turbine
	Dowel Pin
The state of the s	Cover, Impeller
	Bearing, Front
	O-Ring
	Cap, Impeller Cover
	Capscrew
	Ring Gear Kit
	Nameplate (Not Shown)
	Nameplate Screw (Not Shown)
66 234901 3 . Pump Drive Shaft	
67 212489 3 Bearing, Pump Shaft Front A/R As Required	
68 234902 3 . Gear NSS Not Sold Separately	
69 234564 3 . Snap Ring *a Service Kit Number 57077	
	ncludes Items 111, 112, & 114.
	s with steel gear installation. See
	allation and Power Unit pages for
72 222448 4 . Plug, Drain details.	
	s not included in Converter 248962.
74 200303 4 . Capscrew Order Kit separately.	



Position drive plate and weld nut assembly (item 1a) on impeller cover (item 8) with weld nuts toward cover. Align intermediate drive plate and backing ring with holes in impeller cover (items 1a,1b,1c and 8). NOTE: Two dimples 180° apart in backing ring (item 1c) must be out (toward engine flywheel). Install capscrews (item 1d). Torque capscrews 52-57 ft-lbs [70.4 - 77.1 N.m].

NOTE: Assembly of flexplates must be completed within a 15 minute period from start of screw installation. If the screw (item 1d) is removed for any reason it must be replaced. The adhesive left in the tapped holes must be removed with proper tap and cleaned with solvent. Dry the hole thoroughly and use new screw for reinstallation.

See page 6 for converter installation instructions.



Item	Part No.	Qty	Description	lte	em Part	No.	Qty Description
	589716		Kit; Flexplate Conversion F/CAT		589717	Kit;	Flexplate Conversion F/Cummins
1	257100	1	.Kit; Flexplate, 16"	1	257099	1	. Kit; Flexplate, 17"
1a	NSS	1	Drive Plate and Weld Nut Assy	1a	NSS	1	Drive Plate W/Weld Nut Assy
1b	257103	5	Plate, Drive	1b	257101	5	Plate, Drive
1c	256300	1	Ring, Backing	1c	256300	1	Ring, Backing
1d	256303	14	Capscrew, Locking	1d	256303	14	Capscrew, Locking
2	257167	8	. Capscrew, Socket Head	2	257167	8	. Capscrew, Socket Head
3	257363	1	. Cap, Bearing	3	257363	1	. Cap, Bearing
4	212515	1	. O-Ring	4	212515	1	. O-Ring
5	212514	1	. Ring, Snap	5	212514	1	. Ring, Snap
6	240541	1	. Retainer, Bearing	6	240541	1	. Retainer, Bearing
7	212521	1	. Bearing	7	212521	1	. Bearing
8	257362	1	. Cover, Impeller	8	257362	1	. Cover, Impeller
9	214760	1	. O-Ring	9	214760	1	. O-Ring
10	R13811432	12	. Washer	10	R13801834	12	. Capscrew
11	R13806770	6	. Nut	11	201568	12	. Washer, Lock
12	586603	6	. Stud	12	*a 80-900	1	. Converter C8000 Service Manual
13	R13811059	6	. Capscrew	13	*a 80-1031	1	. Flexplate Conversion Instruction
14	*a 80-900	1	. Converter C8000 Service Manual	14	*a,*b	1	Flywheel
15	*a 80-1031	1	. Flexplate Conversion Instruction				-
16	*a,*b	1	Flywheel	*a N	ot Illustrated		

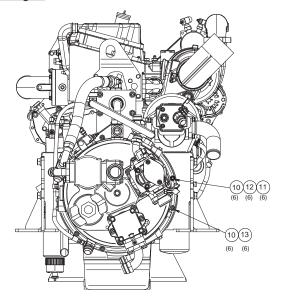
^{*}b Contact engine manufacturer to order parts and service instructions.

For CAT: Specify the flywheel should fit a SAE #1 flywheel housing and 16" flexplate.

For Cummins: Specify the flywheel should fit a SAE #1 flywheel housing and 17" flexplate.

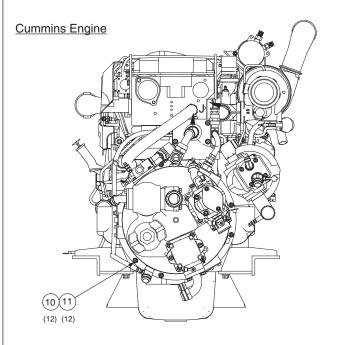
CAT Engine

17 *a,*b -----



adapter-flywheel housing

Note: Capscrew and stud location may be different on your converter to CAT engine installation.



- Remove all burrs from flywheel mounting face and nose pilot bore. Clean drive plate surface with solvent. Dry thouroughly.
- Check engine flywheel and housing for conformance to standard S.A.E. #1 - S.A.E J-927 and J-1033 tolerance specifications for pilot bore size, pilot bore runout and mounting face flatness. Measure and record engine crankshaft end play.
- Install two 3.50 [88,90 mm] long converter to flywheel housing guide studs in the engine flywheel housing as shown. Rotate the engine flywheel to align a drive plate mounting screw hole with the flywheel housing access hole.
- Install a 4.00 [101,60 mm] long drive plate locating stud in a drive plate nut. Align the locating stud in the drive plate with the flywheel drive plate mounting screw hole positioned in Step No. 3.
- Locate converter on flywheel housing aligning drive plate to flywheel and converter to flywheel housing.
 Install converter to flywheel housing screws. Tighten screws to specified torque. Remove converter to engine guide studs. Install remaining screws and tighten to specified torque.
- 6. Remove drive plate locating stud.
- * 7. Install drive plate attaching screw. Snug screw but do not tighten. Some engine flywheel housings have a hole located on the flywheel housing circumference in line with the drive plate screw access hole. A screwdriver or pry bar used to hold the drive plate against the flywheel will facilitate installation of the drive plate screws. Rotate the engine flywheel and install the remaining seven (7) flywheel to drive plate attaching screws. Snug screws but do not tighten. After all eight (8) screws are installed, tighten each capscrew to the following torque- 7/16 capscrew 58-64 ft. Ibs torque [78-86 N.m]:M-10 capscrews 48-55 ft. Ibs torque [65-75 N.m]. This will require rotating the engine flywheel until the full amount of eight (8) screws have been tightened.
 - Measure engine crankshaft end play after converter has been completely installed on engine flywheel. This value must be within .001 [0,025 mm] of the end play recorded in Step No. 2.



Note: Your flywheel housing access hole may vary.

