



Technical Manual

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ENGINE AND MOUNTING GROUP

1634773

Item	Part Number	Part Name	Qty
1	1608744 **	ENGINE CAT 3126 230HP F/P MODIFIED **	1
2	503663	ENGINE MOUNT - FRONT	1
3	503664	ENGINE MOUNT - REAR	1
4	504544	ENGINE MOUNT - REAR NON DRIVER	1
5	912605	BOLT M16 x 35MM GR:D 10.9 ZN HH	2
6	955576	WASHER,NORD-LOCK,12MM,CL.10.9, NL12SP	4
7	955577	WASHER,NORD-LOCK,16MM,CL.10.9, NL16SP	8
8	636884	BOLT 3/4 UNC X 2-1/2 GR:8 ZN HH	6
9	637222	NUT 3/4 UNC GR:8 ZN STANDARD	6
10	505748	REMOTE SUMP DRAIN BRACKET 1 BSPT	1
11	506480	FITTING 90 ELB 1 BSPT MALE x 1 BSPT MALE	1
12	955571	HEX.HEAD BOLT ISO 4014-M12X80-10.9-A3A	2
13	506481	FITTING NIPL 1 BSPT MALE x 1 1/16 JIC MA	1
14	637309	WASHER 3/4 HARD FLAT ZN	12
15	505827	BELL HOUSING BREATHER MOUNTING BRACKET	1
16	504613	BALL VALVE 1 BSP 2 WAY	1
17	506180	BREATHER HOSE BOLT	1
18	636757	BOLT; 3/8 UNC X 2 GR:5 ZN HH	2
19	637291	WASHER 3/8 FLAT ZN	2
20	506484	FITTING 45 ELBOW 1 1/16 JIC SWIVEL	1
21	506485	FITTING STR 3/4 UNO MALE x 1 1/16 JIC MA	1
22	506483	FITTING 90 ELBOW 1 1/16 JIC SWIVEL	2
23	508736	BREATHER	1
24	509381	3/4 UNO-1/8 FEMALE ADAPTOR	1
25	955574	HEX.HEAD BOLT ISO 4014-M16X45-10.9-A3A	6
26	955572	HEX.HEAD BOLT ISO 4014-M12X90-10.9-A3A	2

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ENGLISH OIL LEVEL **

863850 **

Item	Part Number	Part Name	Qty
1	863871	OIL LEVEL TUBE	1
2	863872	OIL LEVEL DIPSTICK	1

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INTAKE SHUTOFF VALVE ASSEMBLY - 5M **

518714 **

Item	Part Number	Part Name	Qty
1	509535	VALVE,BUTTERFLY	1
2	518676	5m CABLE	1

EXHAUST GROUP - WET **

514016 **

Item	Part Number	Part Name	Qty
1	513781 **	WET EXHAUST CONDITIONER GROUP **	1
2	513783 **	DOWN PIPE ASSEMBLY GROUP **	1
3	514360 **	BLANKING KIT - WET SCRUBBER **	1

SCRUBBER MAKE UP TANK GROUP

941969

Item	Part Number	Part Name	Qty
1	500662	CAP ASSEMBLY	1
2	507103	BREATHER	1
3	636958	FIT PLUG 1-1/2 BSPT STEEL FLUSH	1
4	637206	NUT 1/2 UNC GR:8 ZN STANDARD	1
5	887812	GAUGE	1
6	941128	SCRUBBER MAKE-UP TANK	1
7	941970	1/2 UNC X 2 LG GRUB SCREW	1
8	941987	WATER TANK MOUNT	1

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WET SCRUB WATER PUMP MODS - PARTS TO ADD

514767

Item	Part Number	Part Name	Qty
1	514658	COVER	1
2	507831	PLUG	1
3	507832	O-RING	1
4	507833	PLUG	1
5	507834	O-RING	1
6	514659	GASKET	1

TRANSMISSION ASSEMBLY **

508825 **

Item	Part Number	Part Name	Qty
1	501437 **	CONVERTER HOUSING GROUP4 SPEED WITH MOD **	1
2	501472 **	TRANSMISSION CASE & REAR COVER GROUP **	1
3	501438 **	TURBINE SHAFT; STATOR SUPPORT & OIL BAFF **	1
4	508831 **	14.1 WHEEL GROUP - PROPSHAFT INPUT **	1
5	501440 **	PUMP DRIVE GROUP **	1
6	501441 **	FORWARD CLUTCH SHAFT GROUP - WITH BELLEV **	1
7	501442 **	THIRD SPEED CLUTCH SHAFT GROUP **	1
8	501443 **	REVERSE AND 2ND SHAFT CLUTCH GROUP **	1
9	501444 **	LOW SPEED CLUTCH SHAFT GROUP **	1
10	501445 **	FOURTH SPEED CLUTCH GROUP **	1
11	501446 **	IDLER SHAFT GROUP **	1
12	501447 **	OUTPUT SHAFT GROUP **	1
13	501448 **	PRESSURE REGULATING VALVE& CHARGING PUMP **	1
14	501466 **	CONTROL VALVE ASSEMBLY GROUP ** **	1
16	501479 **	INPUT FLANGE ASSEMBLY **	1
17	501480 **	OUTPUT FLANGE ASSEMBLY **	2
18	501481 **	HR34000/36000 CONVERTER SECTION SEALING **	1
19	501482 **	HR34000 TRANSMISSION SECTION SEALING KIT **	1

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TRANSMISSION CASE ASSEMBLY **

501113 **

Item	Part Number	Part Name	Qty
1	501097	TUBE SLEEVE	6
2	501143	LOW SHAFT REAR BRG. LUBE TUBE	1
3	501144	1ST SPEED CLUTCH PRESSURE TUBE	1
4	501145	3RD SPEED CLUTCH PRESSURE TUBE	1
5	501082	TUBE CLIP SCREW	1
6	500963	NUT LOCK CAPSCREW LOCKWASHER	1
7	501099	SLEEVE LOCK	1
8	501148	LOCKUP PISTON RING SLEEVE	1
9	501139	O' RING	1

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THIRD SPEED CLUTCH SHAFT GROUP **

501442 **

Item	Part Number	Part Name	Qty
1	501215	BACKING PLATE SNAP RING	1
2	501216	END PLATE	1
3	501217	CLUTCH OUTER DISC	12
4	501218	CLUTCH INNER DISC	12
5	501219	CLUTCH PISTON AND SEALS ASSEMBLY-INCLUDE	1
6	501220	PISTON OUTER SEAL	1
7	501209	CLUTCH PISTON INNER SEAL	1
8	501212	FORWARD SHAFT REAR BEARING	1
9	501214	FWD. SHAFT BRG. RETAINER RING	1
10	501221	REAR BEARING CAP STUD	4
11	501086	O'RING	1
12	501090	PORT PLUG	1
13	501222	REAR BEARING CAP LOCKWASHER	4
14	501223	REAR BEARING CAP NUT	4
15	501224	REAR BEARING CAP	1
16	501225	REAR BEARING CAP O RING	1
17	501226	PISTON RING	1
18	501227	SPRING RETAINER	1
19	501228	PISTON RETURN SPRING (WAVE)	1
20	501229	SPRING AND SNAP RING RETAINER	1
21	501230	SPRING RETAINER RING	1
22	501231	BEARING RETAINING RING	2
23	501232	1ST/3RD SPEED GEAR BEARING	1
24	501233	BEARING RETAINER RING	1
25	501234	1ST/3RD SPEED GEAR BEARING	1
26	501069	3RD SPEED GEAR	1
27	501070	3RD SPEED CLUTCH DRUM & PLUG ASSEMBLY	1

FOURTH SPEED CLUTCH GROUP **

501445 **

Item	Part Number	Part Name	Qty
1	501194	PISTON RING	2
2	501262	FRONT BEARING RETAINER RING	1
3	501263	3-4 SPEED SHAFT FRONT BEARING	1
4	501264	FRONT BEARING LOCATING RING	1
5	501209	CLUTCH PISTON INNER SEAL	1
6	501239	PISTON OUTER SEAL	1
7	501238	CLUTCH PISTON AND SEALS ASSEMBLY-INCLUDE	1
8	501206	CLUTCH INNER DISC	6
9	501205	CLUTCH OUTER DISC	6
10	501237	BACKING PLATE	1
11	501203	BACKING PLATE SNAP RING	1
12	501240	PISTON RETURN SPRING THRUST WASHER	1
13	501228	PISTON RETURN SPRING (WAVE)	1
14	501241	SPRING RETAINER	1
15	501200	SPRING RETAINER SNAP RING	1
16	501265	CLUTCH DISC HUB RETAINING RING	1
17	501266	CLUTCH DISC HUB	1
18	501075	4TH CLUTCH DRUM & PLUG ASSEMBLY	1

CHARGING PUMP ASSEMBLY **

501306 **

Item	Part Number	Part Name	Qty
1	501300	THRUST PLATE & BEARING ASSEMBLY	2
2	501301	PUMP DRIVEN SHAFT ASSEMBLY	1
3	501302	THRUST PLATE & BEARING ASSEMBLY	2
4	501303	WAVE SPRING	2
5	501304	PUMP SHAFT SEAL	2
6	501305	PUMP DRIVE SHAFT ASSEMBLY	1

MODULATOR VALVE ASSEMBLY **

501343 **

Item	Part Number	Part Name	Qty
1	501344	ACCUMULATOR STOP PIN	1
2	501345	ACCUMULATOR SPRING - INNER	1
3	501346	ACCUMULATOR SPRING - MIDDLE	1
4	501347	ACCUMULATOR SPRING - OUTER	1
5	501348	ACCUMULATOR VALVE	1
6	501024	PLUG O' RING	1
7	505398	PLUG-DIFF CARRIER HSG	1
8	501350	REGULATOR SPRING	1
9	501351	REGULATOR SPOOL	1

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HR34000/36000 CONVERTER SECTION SEALING **

501481 **

Item	Part Number	Part Name	Qty
59	501384	DUST COVER SEAL CONTROL VALVE	1

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AXLE ASSEMBLY **

844614 **

Item	Part Number	Part Name	Qty
31	502894	DIFF & CARRIER ATTACHING STUD	18
32	1574428 **	DIFFERENTIAL & CARRIER ASSEMBLY **	1
33	500976	OIL SEAL RETAINER LOCKWASHER	4
34	501055	CARRIER PULLER SCREW	4
35	502891	DIFF & CARRIER ATTACHING STUD NUT	22
36	502892	DIFF & CARRIER ATTACHING STUD WASHER	22
37	500925	DIFF. & CARRIER ATTACHING DOWEL	12
39	502896	DIFF & CARRIER O - RING	1
40	501038	BREATHER	1
41	507733	PLUG HOUSING FILLER FRONT	1
42	501024	PLUG O' RING	1
43	1574429	ASSEMBLY INTERNAL GEAR HUB	2

DIFFERENTIAL & CARRIER ASSEMBLY **

1574428 **

Item	Part Number	Part Name	Qty
34	502928	DIFFERENTIAL CARRIER & CAP ASSEMBLY	1
35	507745	CENTER PINION BEARING CONE	1
36	507746	CENTER PINION BEARING CUP	1
37	502931	PINION BEARING CAGE SPACER KIT	1
38	502932	PINION BEARING CAGE SHIM .007	1
38	502933	PINION BEARING CAGE SHIM .010	1
39	507747	PINION BEARING CAGE & CUP ASSEMBLY	1
40	500966	CENTER PINION BEARING CUP	1
41	500965	CENTER PINION BEARING CONE	1
42	507748	PINION OIL SEAL	1
43	502938	PINION OIL SEAL RETAINER	1
43	507749	GREASE FITTING	2
44	500976	OIL SEAL RETAINER LOCKWASHER	8
45	500977	OIL SEAL RETAINER CAPSCREW	8
46	507750	GREASE SEAL-PINION	1
47	507751	DUST SHIELD-FLANGE	1
48	502941	UNIVERSAL FLANGE	1
49	502942	FLANGE NUT	1
50	507752	CAPSCREW-PINION BEARING CAGE PULLER PLUG	2
51	1574436	RING GEAR & PINION SET	1
52	502984	DIFFERENTIAL CASE ASSEMBLY	1
53	507754	DIFFERENTIAL BODY ASSEMBLY	1

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BRAKE ASSEMBLY **

1574426 **

Item	Part Number	Part Name	Qty
3	1574430	NUT - SLACK ADJUSTER JAM	3
5	1574431	SCREW - SLACK ADJUSTER	3
6	1574432	SPACER - SLACK ADJUSTER	3
7	502959	COOLING OUTLET PLUG	1
8	507760	COOLING OUTLET PLUG O-RING	1
9	502961	FILLER PLUG	1
10	507761	COOLING OUTLET PLUG O-RING	1
11	507762	ACTUATING PLUG O-RING	1
12	502964	BLEEDER SCREW	1
13	1574433	BRAKE HOUSING	1
14	502958	ACTUATING FLUID PLUG	1
17	502955	WEAR INDICATOR PIN	3
18	507759	INDICATOR PIN O RING	2
19	502953	INDICATOR SNAP RING	1
20	1574434	BRAKE APPLIED SPRING SET	15
22	502967	SEAL,PRESSURE RING	1
23	502968	RING,PISTON PRESSURE	1
24	1574435	REACTION DISC	5
25	507764	FRICITION DISC & LINING ASSEMBLY	5
28	502971	SEAL,BRAKE COVER SQUARE CUT	1
29	502972	SEAL,OUTER PISTON	1
30	502973	PISTON,BRAKE	1
31	502974	SEAL,INNER PISTON	1
32	502976	PORT SQUARE CUT SEAL	2
33	507765	BRAKE OUTER COVER	1
34	502977	WARNING STICKER	1
35	502978	STICKER COVER	1
36	502979	STICKER COVER CAP SCREW	4
37	507766	PORT PLUG O RING	2

TRANSMISSION CONTROLS GROUP

508350

Item	Part Number	Part Name	Qty
1	508258 **	TRANSMISSION CONTROLS ASSEMBLY **	1
2	508259	BRACKET CONTROLS	1
3	508774	CABLE-TRANSMISSION 1400	2
4	508351 **	BRACKET TOGGLE ASSEMBLY **	1
5	636853	BOLT, 5/8 UNC X 2-3/4 GR:5 ZN HH	2
6	637305	WASHER 5/8 SPRING ZN	2

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DRIVE SHAFT ASSEMBLY - ARTICULATION **

903237 **

Item	Part Number	Part Name	Qty
1	501590	UNIVERSAL JOINT	2

STEERING CYLINDER & MOUNTING GROUP

501971

Item	Part Number	Part Name	Qty
1	502296 **	CYLINDER,STEERING **	2
2	502297	PIN,STEERING	4
3	502298	BUSH,STEERING	8
4	636816	BOLT; 1/2 UNC X 4-1/2 GR:5 ZN HH	4
5	637204	NUT; 1/2 UNC GR:5 ZN LOCK	4

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CYLINDER,TILT ASSEMBLY **

502339 **

Item	Part Number	Part Name	Qty
1	504689	TILT CYLINDER ASSEMBLY	1
2	502387	BUSH	2

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4 WAY JOYSTICK PILOT **

501542 **

Item	Part Number	Part Name	Qty
1	507371	TIE WRAP CLAMP	1
2	507372	SEAL, FACE	1
3	507373	BOOT	1
4	507374	BALL	1
5	507375	CLAMP .072 ID X 0.28W	1

SEAL KIT; ACCUMULATOR **

501818 **

Item	Part Number	Part Name	Qty
1	501807	PTFE RING; ACCUMULATOR	2
2	501812	V O-RING; ACCUMULATOR	1
3	501813	BACK-UP WASHER; ACCUMULATOR	2
4	501814	END SEAL BODY; ACCUMULATOR	2
5	501815	BACK-UP WASHER; ACCUMULATOR	2
6	501817	O-RING VALVE; ACCUMULATOR	1

RETURN FILTER **

500122 **

Item	Part Number	Part Name	Qty
1	502149	HOUSING; RETURN FILTER	1
2	502150	COVER-BYPASS; RETURN FILTER	1
3	502151	CAP SCREWS; RETURN FILTER	9
4	502152	BYPASS PISTON; RETURN FILTER	1
5	502153	BYPASS SPRING; 1.7 BAR RETURN FILTER	1
6	502154	SPRING SUPPORT; RETURN FILTER	1
7	502155	MODEL PLATE; RETURN FILTER	1
8	502156	DRIVE SCREW; RETURN FILTER	2
9	502157	FIT PLUG 1/2 BSPF RETURN FILTER	1
10	502158	PLUG SEAL; RETURN FILTER	1
11	502159	O-RING; RETURN FILTER	1
14	502162	BOWL ASSEMBLY; RETURN FILTER	1
16	502159	O-RING; RETURN FILTER	1
19	502167	GASKET; RETURN FILTER	1
20	502168	APPLIANCE SOCKET; RETURN FILTER	1
21	502169	SOCKET PRESSURE PLUG; RETURN FILTER	1
22	502126	ASSEMBLY,ELEMENT-10MICRON RETURN FILTER	1
23	508854	INDICATOR,FILTER BYPASS	1

MOUNTED HOURMETER ASSY F/P 13MM GLASS **

507033 **

Item	Part Number	Part Name	Qty
1	507046 **	HOURMETER, FLAMEPROOF, 13MM GLASS **	1
2	503667	BRACKET LIGHT	1
3	636867	BOLT, M10 X 20 GR: 5 ZN HH	4
4	637268	WASHER, M10 HARD FLAT ZN	4
5	636740	BOLT 3/8 UNC X 1 GR:5 ZN HH	2
6	637296	WASHER; 3/8 HARD FLAT ZN	2

DCS - WET SCRUBBER SENSOR KIT

514826

Item	Part Number	Part Name	Qty
1	830497	SENSOR RTD PT100 SURFACE MOUNT	1
2	960676	FLOAT SWITCH ASSEMBLY WET SCRUBBER	1
3	662752	CAP DUST DCS LOOMS	3
4	514835	SENSOR ENGINE OIL PRESSURE	1
5	514829	SENSOR RTD PT100 50mm	2
6	514832 **	SENSOR FLOAT LEVEL SWITCH ASSEMBLY **	1

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PRESSURE FILTER - DF 160 5M **

862548 **

Item	Part Number	Part Name	Qty
1	862549	PRESSURE FILTER ELEMENT - DF 160 5M	1

STANDARD PANELS **

912917 **

Item	Part Number	Part Name	Qty
1	508253 **	DASH ASSEMBLY **	1
2	912915 **	INSTRUMENTS ASSEMBLY **	1

INSTRUMENT PANEL LABELS GROUP ENGLISH

514519

Item	Part Number	Part Name	Qty
1	508377	DASH PANEL LEFT	1
2	508256	DASH PANEL MIDDLE	1
3	508378	DASH PANEL RIGHT	1
4	511101	LABEL BRAKE / PTO	1
5	514486	INSTRUMENT PANEL LEFT	1
6	511097	PANEL HYDRAULIC OIL	1
7	500734	NAMEPLATE BUCKET CONTROL	1
8	508331	LOAD INDICATOR TABLE FBL55	1
9	511096	DASH PANEL TRANSMISSION	1

FRONT FRAME GROUP

501980

Item	Part Number	Part Name	Qty
1	502474	FRONT FRAME FBL55, MACHINED	1
2	507091	PIN	1

CANOPY GROUP - SOLID TOP, SOLID BACK

850673

Item	Part Number	Part Name	Qty
1	503720	CANOPY	1
2	850671	BACK CANOPY	1
3	1450120	BOLT, 1 UNC X 5 1/2 GR:5 ZN HH	1
4	637237	NUT, 1 UNC GR:8 ZN NYLOCK	1
5	636887	BOLT 3/4 UNC X 3 GR:5 ZN HH	4
6	637313	WASHER 1 FLAT ZN	2
7	637309	WASHER 3/4 HARD FLAT ZN	14
8	134943	NUT(HEX) 3/4-10 GR5	4
9	636888	BOLT; 3/4 UNC X 3 GR:8 ZN HH	3
10	637222	NUT 3/4 UNC GR:8 ZN STANDARD	3

FBL55 LABELS WET - ENGLISH **

955765 **

Item	Part Number	Part Name	Qty
1	514713	NAMEPLATE ENGLISH COOLANT LOSS SHUTDOWN	1
2	514714	LABEL ENGLISH MAKE-UP WATER TANK ISOLATI	1
3	514715	LABEL ENGLISH LOW WATER TEST VALVE	1
4	514716	LABEL ENGLISH WATER DRAIN VALVE	1
5	501502	NAMEPLATE WATER	1
6	514730	CATERPILLAR 3126 COMPLIANCE PLATE WET	1
7	514931	BLANKING PLATE DASH (LARGE)	1
8	514932	BLANKING PLATE DASH (SMALL)	1
9	894953	LABEL TANK UNDER PRESSURE	1
10	912719	NAMEPLATE - 230hp WET, APPROVAL, FBL-55	1

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SHIM KIT **

956185 **

Item	Part Number	Part Name	Qty
1	956186	SHIM	1
2	956187	SHIM	2
3	956188	SHIM	3

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STARTER MOTOR KIT 3126 TURBINE (ALSO SX) **

504796 **

Item	Part Number	Part Name	Qty
1	508555 **	MOTOR,STARTER-3126 ENGINE (TURBINE TYPE) **	1
2	503905	VALVE,RELAY 1 BSP	1
3	505259	Y - STRAINER	1

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COOKIE PLATE GROUP **

957652 **

Item	Part Number	Part Name	Qty
1	955977	COOKIE PLATE FABRICATION	1

GEAR HOUSING **

1612832 **

Item	Part Number	Part Name	Qty
1	636744	BOLT 3/8 UNC X 1-1/4 GR:5 ZN HH	31
2	637294	WASHER 3/8 SPRING ZN	31
3	1612575	TOP PLATE, GEAR BOX HOUSING	1
4	1612576	GEAR CASE WALL	1
5	1612577	GEAR CASE SIDE WALL	1
6	1612578	MOUNTING PLATE DETAIL	1
7	1612834	BOTTOM PLATE DETAIL	1
8	1612835	DRUM CONNECTION	1
9	1612838	SHAFT SOCKET	1
10	1612839	FLAT BAR	1
11	1612840	PIPE CONNECTION	2
12	1612851	CONNECTION FLANGE	1
13	1620069	DOWEL \varnothing 10x40	2

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