



R165
R165 (EU)
R165 XSeries

Skid-Steer Loader
Parts Manual

50940342 Rev. E 12/19

Supersedes: 50940205

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**R165, R165 (EU), R165 X-SERIES - CHASSIS
FENDERS**

Ref.	No.	Part No.	Description	Qty.
	1	131842	LN FL SPIRALOCK 5/16 CZY	4
	2	195138	THWH TR 3/8 X 3/4 CZY	4
	3	50300513	FENDER/LEFT	1
	4	50300657	FENDER/RIGHT	1
	5	650687	CB 5/16X3/4 C5ZY	4

**R165, R165 (EU), R165 X-SERIES - CHASSIS
SOUND SUPPRESSION (SN 197921 AND BEFORE)**

Ref.	No.	Part No.	Description	Qty.
	1	087849	CLAMP/HOSE #52	1
	2	192848	SOUND DIFFUSER	1
	3	50303482	PAD/RISER R165 RH	1
	4	50303485	PAD/RISER R165 LH	1
	5	50303599	FOAM/ENGINE COVER 150/165	1
	6	N/A	FOAM/COOLER R165 (part was supplied on a limited number of machines)	2
	7	50314970	WDMT/LOUVER	1
	10	50304012	WDMT/LOUVERED INTAKE	1
	13	50304056	FOAM/REAR DOOR	1
	14	50350776	BHSCS TR TRILOBE TRX 5/16X3/4 C8OCG	2

R165, R165 (EU), R165 X-SERIES - ROPS/FOPS ROPS/FOPS ASSEMBLY

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	057557	FW 17/32 ZY	4	86	651659	FW M10 HARDENED ZB	4
2	064239	PIN/CLEVIS 3/8X1-1/16 ZY	2	87	651821	CS M10-1.5X30 C8.8 ZB DIN933	4
3	067750	NUT/SPEED	6	88	653005	HN 1/4 C2ZY	1
4	067823	HLN INST 5/8 CZY	2	89	653018	HN 1/2 C2ZY	2
5	071700	LN 1/4 CBZY	2	90	654002	FW 1/4 AWZY	2
6	071706	LN 1/2 CBZY	1	91	243270	WINDOW/REAR (w/o rear wiper)	1
7	072490	ISOLATOR/ROPS MTG	2	92	50301763	GAS SPRING (w/o glass door) (see Page 28 for gas springs w/ glass door)	2
8	076078	CLAMP/HOSE .38 X .34 HOLE	1	93	50303597	PAD/CAB REAR WALL (w/o heater)	1
9	077794	SPRING/TORSION	1	94	50307188	PAD/SEAT PAN/FRONT	1
10	078238	RING/SPLIT	1	95	50307189	PAD/SEAT PAN/REAR	1
11	131945	BUSHING	2	96	654004	FW 5/16 AWZY (SN 197953 and After)	1
12	132166	TAG/RIP CORD	1	97	50312723	ROPS GAS SPRING LEVER WLDMT (SN 197953 and After)	1
13	132294	RING	1	98	50314699	SPACER/8MM X 25MM (SN 197953 and After)	1
14	138825	NUT-HEX ACORN 1/4-20	8	99	650692	CS 5/16X1-3/4 C5ZY (SN 197953 and After)	1
15	192182	PLUG/RUBBER	1	100	50303587	DECAL/HOLE/GREY (SN 197953 and After)	1
16	192601	GROMMET .69ID .188GW 1.00GD	1	101	50350404	RETAINING RING/EXT .875 (SN 197953 and After)	1
17	240645	WEATHERSTRIP/WINDOW	1				
18	241354	MOUNT/ISOLATOR 22002-13	2				
19	241544	RIPCORD/WEATHERSTRIP	1				
20	242633	GROMMET .38ID .188GW 1.00GD SPLT	2				
21	420-36132	CLIP, CHRISTMAS TREE	10				
22	50313419	ROPS/WDMT (SN 197953 and After)	1				
	50300289	ROPS/WDMT (SN 197952 and Before)	1				
64	50316387	PAD/ACOUSTIC REAR DECK (SN 198589 AND UP)	1				
	50300974	PAD/ACOUSTIC REAR DECK (SN 198588 AND BEFORE)	1				
65	50301349	CABLE/ROPS RELEASE	1				
66	50301387	WINDOW/SKYLIGHT	1				
67	50301405	COVER/CROSSMEMBER	1				
68	50301412	SEAL/ROPS TO CHASSIS	2				
69	50316373	COVER/HARNESS (SN 198589 AND UP)	2				
	50301968	BRKT/WIRE GUIDE (SN 198588 AND BEFORE)	2				
70	50301971	ROPS SUPPORT/WDMT	1				
74	50353856	HEADLINER	1				
75	650448	CS 1/4X3/4 C5ZY	2				
76	650551	CP EPSC 3/32X3/4 Z	2				
77	50310630	PHMS CR 1/4X3/4 COCB SEM	8				
78	650771	CB 1/4X1/2 C5ZY	1				
79	650863	FW 1/4 ANZY	2				
80	650867	CS 5/8X5 C5ZY	2				
81	651082	CS 1/2X3-1/2 C8 ZY	2				
82	651086	CB 1/4X1 C5ZY	1				
83	651240	CS 1/2X3 C8ZY	1				
84	651307	PHMS CR 1/4X1/2 ZB	6				
85	651308	PHMS CR 1/4X3/4 ZB	3				

R165, R165 (EU), R165 X-SERIES - ROPS/FOPS IMPACT DOOR COMPONENTS

Ref. No.	Part No.	Description	Ref. No.	Ref. No.	Part No.	Description	Ref. No.
1	50313372	KIT/FRONT DOOR/POLY (includes Refs. 10-14, 20, 22-24, 27, 35-38)	1	48	50307460	FITTING/COWL	1
2	50307417	HINGE/DOOR/WLDMT	1	49	50307463	WIPER/WET KIT	1
3	50307418	HINGE BRACKET/DOOR/WLDMT	2	50	50307466	SCREW/MR6-1.0X16	2
4	50307420	BACKING PLATE WELDMENT/DOOR	1	51	656100	HN M5-0.8 C8 ZY DIN934	1
5	50307421	LATCH BRACKET/DOOR	1				
6	50307425	COVER/LATCH BOX	1				
7	50307426	HANDLE PLATE/DOOR	1				
8	50307428	WIRING CHANNEL/DOOR	1				
9	50304637	BRACKET/SENSOR TARGET	1				
10	50307429	GASKET W/PSA	1				
11	50307430	GASKET W/PSA	1				
12	50307431	GASKET W/PSA	1				
13	50307432	GASKET W/PSA	1				
14	50307433	GROMMET/5/8ODX5/16ID	4				
15	50307467	INSERT/1/4-20	2				
16	50313373	KIT/FRONT DOOR PULL/POLY (includes Refs. 5, 7, 12, 13, 15, 25-29)	1				
17	50280186	KEY/8001 (14603)	1				
18	50303453	LATCH	1				
19	50307480	RUBBER SLEEVE	1				
20	50307435	SEAL/BULB/1/4" GRIP	11				
21	50307436	WASHER/NYLON/WEAR	2				
22	50307469	SCREW/5/16-18X1.25	4				
23	242973	FW 5/16 BO	8				
24	242974	HLN INST 5/16-18 BO	4				
25	656082	CS M6-1X25 C8.8 ZY DIN933	1				
26	656047	HN M6-1 C8 ZY DIN934	1				
27	50657070	BHSCS M6-1.00X35 C10.9 OCB ISO7380	3				
28	50307470	SCREW/1/4-20X3/4	7				
29	654002	FW 1/4 AWZY	4				
30	50307437	PLUG/5/8" HOLE/BLACK	2				
31	122485	STUD/BALL 10MM	1				
32	654004	FW 5/16 AWZY	1				
33	50307438	BRACKET/WIPER/DOOR	1				
34	50307439	BRACKET-WIPER MOTOR/DOOR	1				
35	50307451	GASKET W/PSA	1				
36	50307453	GASKET W/PSA	1				
37	50307456	GROMMET/1 1/16" OD X 11/16 ID	1				
38	50307457	GROMMET/1/2 OD X 1/4 ID	1				
39	50307465	INSERT/5/16-18	1				
40	50313371	KIT/WIPER MOTOR (includes Refs. 35-38, 40, 44-47, 51)	1				
41	50307458	508MM SMALL PANTO WIPER ARM	1				
42	50307459	610MM BLADE ASSY	1				
43	242934	COVER/WIPER MOTOR	1				
44	50305829	MOUNTING PIN/WIPER	1				
45	242986	HN M18 BO	1				
46	242984	NUT/ACORN M8 BO	1				
47	242985	NUT/ACORN M5 BO	1				

**R165, R165 (EU), R165 X-SERIES - ROPS/FOPS
HEATER COMPONENTS (OPTION) – (SN 197922 AND AFTER)**

Ref. No.	Part No.	Description	Qty.
1	084175	HLN INST #1024 CZY	2
2	088937	CLAMP/HOSE #64	2
3	095955	CLAMP/HOSE #10	4
4	104052	ST-L HB10-MBSPT06	1
5	137503	LOUVER/ROLL NOZZLE	2
6	137822	SCREW/TFCH CR #440X1/2 CZY	4
7	210-19469	LN FL SERR 1/4 CZY	4
8	210-19470	LN FL SERR 5/16 CZY	4
9	50302201	LOUVER/ROUND	3
10	50302656	HEATER (See Page 48 for details)	1
11	50302992	DUCT/HEATER/LEFT	1
12	50302994	DUCT/HEATER/RIGHT	1
13	50303713	FILTER/FRESH AIR HEATER	1
14	50303715	HOSE/HEATER INTAKE	1
15	50303719	HOUSING/HEATER FILTER	1
16	50303720	COVER/HEATER FILTER HOUSING	1
17	50303721	LATCH/HEATER FILTER HOUSING	2
18	50303734	HOSE/HEATER -10 X 37IN	2
19	50303773	FILTER/HEATER RECIRC	1
20	50303774	GRILLE/HEATER RECIRC	1
21	50305331	FOAM/HEATER LOWER	1
22	50305334	FOAM/HEATER BOX	1
23	50308290	SLEEVE HG28 X 15.00	1
24	50310326	LOUVER BASEPLATE	1
25	50311286	LOUVER/NARROW	1
26	50311523	WLDMT/HEATER PLENUM	1
27	50311619	DEFROST DUCT/HVAC	1
28	50311648	FOAM SEAL/DUCT BASE	1
29	50311958	FOAM/HEATER DUCT	1
30	50316135	INTAKE AIR DUCT WLDMT	1
31	50657047	CS FL 1/4X1-1/4 C5ZY	4
32	50657071	PHMS CR 1/4X1/4 Z	4
33	650315	SCREW/THWH TC USL 1/4X1/2 CZY	13
34	651170	SCREW/TPH TF SLTD #832X1/2 CZY	2
35	651307	PHMS CR 1/4X1/2 OCB	6
36	651312	SCREW/THM CR #1024X1/2 Z	2

**R165, R165 (EU), R165 X-SERIES - ROPS/FOPS
HVAC ASSY – 50311002**

Ref. No.	Part No.	Description	Qty.
1	50303715	HOSE/HEATER INTAKE	1
2	50303713	FILTER/FRESH AIR HEATER	1
3	50303774	GRILLE/HEATER RECIRC	1
4	50303773	FILTER/HEATER RECIRC	1
5	50311399	HOSE ELBOW/HEATER 1.75 X 1.75	1
6	50311002	HVAC HOUSING (INCL. REFS 7-15)	1
7	50250578	HVAC BLOWER ASSY	1
8	650548	RHMS SLT #1024X1/2 CZY	8
9	50250582	HARNES/HVAC HOUSING	1
10	50250581	GROMMET .50ID X .062GW X 1.25GD	1
11	50250579	SCREW/HWHSM #8X1/2 Z	21
12	50250583	GROMMET .187ID X .047GW X .312GD	1
13	50250584	HVAC COMBINATION CORE ASSY	1
15	138623	SWITCH/PRESET COLD CONTROL	1

R165, R165 (EU), R165 X-SERIES - ROPS/FOPS SEAT BELT OPTIONS

Ref. No.	Part No.	Description	Qty.
1	081371	HN FL T-LOCK 7/16 FFZY (standard seat-no suspension)	3
	081371	HN FL T-LOCK 7/16 FFZY (seat with mechanical or air suspension)	1
2	184007	TAB-RETRACTOR MOUNT	1
3	420-36086	SEAT BELT ASSY - 2 INCH	1
	420-36087	SEAT BELT ASSY - 3 INCH	1
4	650630	CS 7/16X1 F5ZY	3
5	654046	FW 7/16 AWZY	3

R165, R165 (EU), R165 X-SERIES - CONTROLS T-BAR CONTROLS, HI-FLOW AUX. (2 OF 2)

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	054202	BALL JOINT	1	60	50303687	ROD/THREADED/.312/.375	2
2	056937	FW 25/32 ZY	8	61	50303716	PLATE/CORNER/CAN PLUG	1
3	070068	HN 3/8 F2 LH	2	62	50303717	SPACER	1
4	072871	CS 3/8X2 C5ZY SP	2	63	50350605	PIVOT/CONTROL LEVER	2
5	071702	LN 5/16 FBZY	2	64	50351675	LEVER CONTROL/RH	1
6	074868	SPACER	2	69	50351692	DAMPER/SELF-CENTERING	2
7	075288	PIN/SPRING 5/16X1-1/4	3	70	50351757	BOOT/RUBBER T-BAR	2
8	079039	ROD/END FEMALE THRD RIGHT	1	71	50351902	GRIP/CTRL MODULATION	1
9	079042	ROD/END FEMALE THRD RIGHT	1	72	50352741	GROMMET .38ID .375GW 1.00GD SPLT	1
10	079216	STUD FEMALE ROD END .312	4	73	50352787	PLUG/DT06-8S	1
11	128316	BEARING/BRONZE	8	74	50352788	LOCKING WEDGE/W8S	1
12	131842	LN FL SPIRALOCK 5/16 CZY	6	75	650491	CS 3/8X1-1/4 C5ZY	1
13	134327	T-BAR STOP	2	76	650492	CS 3/8X2-1/2 C5 ZY	2
14	50303746	ROD END/ELASTOMERIC/80 DUROMETER	4	77	650533	CS 3/8X1-1/2 C5ZY	5
15	134852	LN FL SPIRALOCK 3/8 CZY	2	78	653039	HJN 3/8 F2ZY	5
16	135787	ROD END MALE .312	1	79	650634	CS 3/8X1 F5ZY	4
17	183147	KAWASAKI GRIP	1	80	650687	CB 5/16X3/4 C5ZY	6
18	184210	DEUTSCH 4PIN PLUG	1	81	650725	CS 5/16X2-1/4 C5ZY	1
19	184211	DEUTSCH 4 PIN WEDGE	1	82	650969	CB SN 5/16X5/8 C5ZY	4
20	187002	5/16-24 REG FLG TOP LOCK	3	83	651062	HN 5/16 F2Z	5
21	189508	CONTROL ARM	2	84	651467	PIN/SPRING M5X30	2
22	193710	ROD/CONTROL/LIFT	1	85	651648	HWHTRS TAP/R 5/16X3/4 CZY	20
23	195138	THWH TR 3/8 X 3/4 CZY	6	86	651711	LN FL CTR M8-1.25 C8 ZY DIN6927	4
24	210-19533	LN FL CTR 3/8 CFZY	7	87	651718	HWHTRS TAP/R 5/16X1-1/4 CZY	6
25	210-31017	LN FL CTR 5/16 CFZY	5	88	654004	FW 5/16 AWZY	10
26	220-28739	PIN/CLEVIS 1/4 X 1	2	89	121030	STRIP/NON-SKID SURFACE	8
27	220-32680	PIN, CLIP, RUE #8	2	90	50307116	FOAM/LARGE/LEFT	1
28	250-32609	YOKE	2	91	50313691	FOAM/RIGHT/ROPS	1
29	50301445	PLATE/CROSSMEMBER	1	92	50307130	FOAM/CONTROL OPENING	2
30	50301475	PLATE/CORNER	1	93	50311212	PAD/KICKPLATE TOP	1
31	50301606	BAR/DRIVE	1	94	50313649	COVER/CONTROLS/HIF	1
32	50301608	WDMT/LEVER/LH CONTROL	1				
37	50301636	BRACKET/MOUNT	2				
38	50301694	SHAFT/PIVOT	1				
39	50301829	WDMT/PIVOT ARM	2				
43	50301831	WDMT/PIVOT ARM	1				
46	50302066	HN FL TOP 3/8 FGZY	2				
47	50313673	COVER/SOUND PAD/H-F/HIF	1				
48	50302389	THREADED ROD	1				
49	50313648	PLATE/FLOOR/HIF	1				
50	50313639	BRACKET/FLOOR PLATE/HIF	1				
51	50313333	ROD/THREADED/BENT	1				
52	50313671	COVER/CONTROLS/MECHANICAL/ HIF	1				
53	50303128	WDMT/STOP/CTRL	1				
56	50303488	PAD/KICKPLATE/BEHIND	1				
57	50303490	PAD/KICKPLATE/UNDER	1				
58	50311215	PAD/KICKPLATE FRONT	1				
59	50303685	ROD END/STUDED/.375/LH	2				

R165, R165 (EU), R165 X-SERIES - CONTROLS HAND-FOOT CONTROLS, HI-FLOW AUX. (2 OF 2)

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	045-31469	BUSHING, OILITE	2	70	50303490	PAD/KICKPLATE/UNDER	1
2	054202	BALL JOINT	2	71	50313673	COVER/SOUND PAD/H-F/HIF	1
3	056937	FW 25/32 ZY	4	72	50311215	PAD/KICKPLATE FRONT	1
4	070068	HN 3/8 F2 LH	1	73	50303685	ROD END/STUDED/ .375/LH	1
5	071381	CS 3/8X1-1/2 C5ZY SP	2	74	50303704	CENTERING DEVICE/HD	2
6	075288	PIN/SPRING 5/16X1-1/4	2	75	50303716	PLATE/CORNER/CAN PLUG	1
7	076588	CS FL LOCK 3/8X3/4 C5ZY	4	76	50303717	SPACER	1
8	079039	ROD/END FEMALE THRD RIGHT	1	77	50304846	SPACER	1
9	079042	ROD/END FEMALE THRD RIGHT	1	78	081380	CS FL LOCK 5/16X3/4 C5ZY	2
10	079216	STUD FEMALE ROD END .312	2	79	50351653	LEVER/JOYSTICK GRIP RH	1
11	090-30303	FOOT PEDAL	2	80	50351757	BOOT/RUBBER T-BAR	2
12	128316	BEARING/BRONZE	4	81	50351902	GRIP/CTRL MODULATION	1
13	131842	LN FL SPIRALOCK 5/16 CZY	6	82	50352787	PLUG/DT06-8S	1
14	50303746	ROD END/ELASTOMERIC/80 DUROMETER	4	83	50352788	LOCKING WEDGE/W8S	1
15	134852	LN FL SPIRALOCK 3/8 CZY	2	84	650492	CS 3/8X2-1/2 C5 ZY	2
16	135787	ROD END MALE .312	1	85	650533	CS 3/8X1-1/2 C5ZY	4
17	184210	DEUTSCH 4PIN PLUG	1	86	650545	CS 5/16X1-1/4 C5ZY	4
18	184211	DEUTSCH 4 PIN WEDGE	1	87	653039	HJN 3/8 F2ZY	3
19	187002	5/16-24 REG FLG TOP LOCK	3	88	650579	CS 3/8X1-3/4 C5ZY	1
20	189508	CONTROL ARM	2	89	650634	CS 3/8X1 F5ZY	4
21	220-16148	PIN, CLEVIS 1/4 X 3/4	4	90	650650	CS 1/2X3-1/2 C5ZY	2
22	194044	H-F PILOT BOOT	2	91	650687	CB 5/16X3/4 C5ZY	10
23	195138	THWH TR 3/8 X 3/4 CZY	6	92	650725	CS 5/16X2-1/4 C5ZY	1
24	195164	KAWASAKI GRIP W/STUD	1	93	651062	HN 5/16 F2Z	3
25	200-32287	YOKE	4	94	651467	PIN/SPRING M5X30	1
26	210-19470	LN FL SERR 5/16 CZY	4	95	651648	HWHTRS TAP/R 5/16X3/4 CZY	15
27	210-19533	LN FL CTR 3/8 CFZY	7	96	651711	LN FL CTR M8-1.25 C8 ZY DIN6927	4
28	210-31017	LN FL CTR 5/16 CFZY	5	97	651718	HWHTRS TAP/R 5/16X1-1/4 CZY	6
29	50301445	PLATE/CROSSMEMBER	1	98	654004	FW 5/16 AWZY	10
30	50301475	PLATE/CORNER	1	99	656066	HJN M14-2 C4 ZY DIN439	1
31	50313658	COVER/PEDALS/HIF/H-F	1	100	121030	STRIP/NON-SKID SURFACE	3
32	50301630	ROD/THREADED	1	101	50307116	FOAM/LARGE/LEFT	1
33	50301636	BRACKET/MOUNT	2	102	50313691	FOAM/RIGHT/ROPS	1
34	50301694	SHAFT/PIVOT	1	103	50307130	FOAM/CONTROL OPENING	2
35	50301801	WDMT/CONTROL LEVER/H-F	2	104	50311212	PAD/KICKPLATE TOP	1
40	50301829	WDMT/PIVOT ARM	2	105	220-32680	PIN, CLIP, RUE #8	4
44	50301831	WDMT/PIVOT ARM	1	106	243009	GROMMET .69ID .250GW 1.00GD PLUG	1
47	50301841	CABLE HAND FOOT TILT	2				
48	50302066	HN FL TOP 3/8 FGZY	3				
49	50302389	THREADED ROD	1				
50	50313671	COVER/CONTROLS/MECHANICAL/HIF	1				
51	50315500	BRACKET/CABLE MOUNT	1				
52	50313771	WDMT/FOOT PEDAL MOUNT	1				
58	50302545	ROD/THREADED/BENT	1				
59	50302779	BRACKET/PEDAL SUPPORT	2				
60	50302781	WDMT/PIVOT/PEDAL	2				
66	50303128	WDMT/STOP/CTRL	1				
69	50303488	PAD/KICKPLATE/BEHIND	1				

R165, R165 (EU), R165 X-SERIES - ENGINE ENGINE - R165, R165 (EU) (T4) (SN 197921 AND BEFORE)

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	054626	ST MJ08-MORB08	2	60	50301172	WDMT/ENGINE MOUNT	1
2	061946	CLAMP/HOSE #24	4	64	50301450	ST HB05-MP04 SS	2
3	062023	CLAMP/HOSE #05 M	11	65	50301682	BRKT/SHROUD	1
4	064260	HLN INST 5/16 CZY	1	66	50301734	SEAL/FOAM	1
5	067761	90 MJ10-MAORB10	1	67	50301816	CS 1/4X7/8 C5ZY SP	4
6	067880	CLAMP/HOSE .50 X .41 HOLE DOU- BLE	2	68	50302989	PLATE/FUEL PUMP	1
7	071246	LN INST M10-1.50 C9 ZY DIN6924	1	69	50303047	ISOLATOR/1.00 X 1.00 NEOPRENE	4
9	072580	ST MJ10-MORB10	1	71	50304274	TUBE/EXHAUST	1
10	088442	90 MJ08-FJS08	1	72	50306023	FAN/1Z/6BLADE/20PITCH	1
11	210-19533	LN FL CTR 3/8 CFZY	4	73	50351380	DIPSTICK BRACKET LONG	1
12	128007	CLAMP/HOSE .62 X .41 HOLE	1	74	50351523	COOLER/FUEL	1
13	132707	FW 3/8 HT ZY	20	75	50307868	HOSE/MOLDED AIR FILTER	1
14	135427	WASHER ZY	8	76	50352309	HOSE/.50 X 35.00	1
15	136220	HOSE/FUEL 5/16 X 44	1	77	50352310	HOSE/.63 X 34.50	1
16	136226	CLAMP/HOSE .75 X .41 HOLE	2	78	612604	FW M8	2
17	137063	ISOLATOR -11 RED-WHITE	4	79	650486	CS 5/16X3/4 C5ZY	1
18	138636	SPACER/FAN YANMAR	1	80	650487	CS 5/16X1 C5ZY	1
19	184099	ELBOW 90/W/INDICATOR TAP	1	81	072916	CS FL LOCK 1/4X3/4 C5ZY	2
20	184278	COUPLING-INTAKE HOSE	1	82	650687	CB 5/16X3/4 C5ZY	2
21	184289	HOSE/FUEL 5/16 X 36.5	1	83	650704	CB 3/8X1 C5ZY	4
22	184560	CLAMP/HOSE .94 X .53 HOLE	1	84	650758	CB 1/4X3/4 C5ZY	2
24	187581	CLAMP/HOSE #44 LINER	4	85	650814	CS 5/16X4 C5ZY	2
25	187604	HOSE/FUEL/5/16	1	87	651394	CS M10-1.5X25 C10.9 ZY DIN933	8
26	193569	ALTERNATOR BRACKET	1	88	651395	CS M10-1.5X30 C10.9 ZY DIN933	12
27	193620	HOSE/FUEL/.31 X 6.75	1	89	651689	CS FL M8-1.25X20 8.8 ZY DIN6921	2
28	193971	MOUNT/FILTER	1	90	651720	CS FL M8-1.25X35 8.8 ZY DIN6921	1
29	194068	ADAPTER/FILTER	1	91	651773	CS M10-1.5X60 C10.9 ZY DIN931	2
	191651	O-RING 230 N70	1	92	651799	CS FL 5/16X1 C5ZY	3
30	210-19469	LN FL SERR 1/4 CZY	4	93	071700	LN 1/4 CBZY	4
31	210-19470	LN FL SERR 5/16 CZY	8	94	656002	CS M8-1.25X35 C8.8 ZY DIN933	1
32	240021	HOSE/ASSY/DRAIN	1	95	50657060	CS FL M10-1.50X40 8.8 ZY DIN6921 (apply Loctite 242 or equivalent)	4
33	241459	ALT/LETRIKA/100AMP	1	96	656045	SHCS M10-1.5X30 C12.9 OCG DIN912	9
34	241562	SPACER/ALTERNATOR	1	97	656048	HN M8-1.25 C8 ZY DIN934	4
35	241563	SPACER/ALTERNATOR	1	99	656110	LW M8 ZY DIN127	4
36	241605	CB 5/8X4 C5ZY SP	4	101	656141	SHCS M10-1.5X25 C12.9 OCG DIN912	8
37	241932	SPACER/ALTERNATOR	1	102	656154	CS M8-1.25X45 C8.8 ZY DIN931	1
38	244365	COUPLER/FLEX	1	103	656173	CS M10-1.5X130 C8.8 ZY DIN931	1
39	244465	ASSY/DIPSTICK/ENGINE OIL/YAN- MAR	1	104	L50081	HN 5/8 C5ZY	4
40	244955	HOSE/FUEL 5/16 X 8.00	1	105	50307948	HOSE/FUEL -04 X 18IN	1
41	245012	HOUSING/FLYWHEEL	1	106	195568	CARTRIDGE/FILTER/ENGINE OIL	1
43	272299	INDICATOR/SERVICE	1	107	50303219	ENG/052KW/YAN/4TNV98C-NMS2/T4	1
44	275493	WDMT/FAN SHROUD	1				
48	50300553	BRKT/SHROUD	1				
49	50300581	HOSE/UPPER RAD	1				
50	50300582	HOSE/LOWER RAD	1				
51	50300638	WDMT/ENGINE MOUNT	2				
56	50301171	WDMT/ENGINE MOUNT	1				

R165, R165 (EU), R165 X-SERIES - ENGINE BLOCK HEATER (OPTION)

Ref.	No.	Part No.	Description	Qty.
	1	055648	TIE/CABLE .19 X 7.50 BLACK	3
	2	121480	HEATER/BLOCK (227-2148) PHIL- LIPS (may be supplied with round or rectangular cable connector)	1
	3	121481	CORD/HEATER (5 ft. cord w/ rectan- gular connector)	1
		50309375	CORD/BLOCK HEATER (6 ft. cord w/ round connector)	1

**R165, R165 (EU), R165 X-SERIES - ELECTRICAL
ENGINE ELECTRICAL - R165 X-SERIES (IT4)**

Ref. No.	Part No.	Description	Qty.
1	071700	LN 1/4 CBZY	4
2	128007	CLAMP/HOSE .62 X .41 HOLE	2
3	088467	TIE/CABLE .30 X 14.50 BLACK	1
4	193856	SOLENOID	2
5	195740	COVER/ELECTRICAL	2
6	310-32616	CS FL LOCK 3/8X1/2 C2ZY	1
7	50301816	CS 1/4X7/8 C5ZY SP	3
8	50303047	ISOLATOR/1.00 X 1.00 NEOPRENE	3
9	50303580	CABLE/BATTERY/POS/17IN	1
10	50303609	BRACKET/HARNESS BULKHEAD	1
11	50307106	HARNESS/ENGINE IT4	1
12	50350892	CABLE/ALTERNATOR	1
13	650810	FW 5/16 ANZY	3
14	651094	CB 1/4X1-1/4 C5ZY	4
16	651732	CS FL M10-1.50X20 8.8 ZY DIN6921	1
17	071401	HLN INST 1/4 CBZY	3
18	653034	HJN 5/16 C2ZY	4
19	656048	HN M8-1.25 C8 ZY DIN934	1
20	656090	CS M10-1.5X16 C8.8 ZY DIN933	2
21	656093	CS M8-1.25X16 C8.8 ZY DIN933	2
22	L630004	STRAP GRND 4 GA X 14INCH SIL- VER	1
24	193206	RELAY/20AMP/YANMAR	2
25	055648	TIE/CABLE .19 X 7.50 BLACK	1

**R165, R165 (EU), R165 X-SERIES - ELECTRICAL
BLUETOOTH RADIO KIT (OPTION)**

Ref.	No.	Part No.	Description	Qty.
	1	420-36132	CLIP, CHRISTMAS TREE	10
	2	50657025	FCHM CR #632X1/2 ZY	8
	3	J243571	ANTENNA/RADIO	1
	4	50319109	RADIO AM/FM/WB W/ BT	1
	5	192456	WIRE HARNESS/RADIO	1
	6	651646	PTORX HTF #1032X1/2 FBZ TYPE F	4
	7	50353849	BRACKET/RADIO	1
	8	50354582	SPEAKER/RADIO/4	2
	9	50319732	USB/AUX/MOUNT	1
	10	656093	CS M8-1.25X16 C8.8 ZY DIN933	1
	11	137836	LN SER FL M8-1.25 C10 ZY DIN196	1
	12	50319711	AUX/USB INPUT RADIO ACCESS	1
	13	50319715	MICROPHONE/BT RADIO	1
	14	50319735	MIC/DUMMY COVER	1

**R165, R165 (EU), R165 X-SERIES - ELECTRICAL
BACKUP ALARM (OPTION)**

Ref.	No.	Part No.	Description	Qty.
	1	064260	HLN INST 5/16 CZY	4
	2	071401	HLN INST 1/4 CZY	2
	3	140880	ALARM/BACKUP	1
	4	210-19469	LN FL SERR 1/4 CZY	2
	5	50304153	BRKT/SENSOR	2
	6	50304578	SENSOR/SPEED/DIRECTION/ASSY	2
	7	650863	FW 1/4 ANZY	2
	8	50354589	CORD GRIP/1/2 NPT	2
	9	50354610	WEDGE LOCK DTM 4 PIN RECPT	2
	10	650448	CS 1/4X3/4 C5ZY	2
	11	650758	CB 1/4X3/4 C5ZY	2
	12	650810	FW 5/16 ANZY	4
	13	50354580	DTM04-4P RECEPTACLE	2

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R165, R165 (EU), R165 X-SERIES - HYDRAULICS HYDROSTATICS W/ DRIVE MOTORS (2-SPEED, T-B/H-F CONTROLS)

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	054816	90 MJ08-MAORB08	1	44	50303443	HOSE/HYD -12 X 27IN	1
2	054820	TEE RUN MJ06-MAORB06-MJ06	1	45	50303681	Y MJ06-MJ06-MAORB04	1
3	068938	90 MJ06-MAORB06	2	46	650453	CS 1/2X1-1/2 C5ZY	2
4	072580	ST MJ10-MORB10	4	47	650687	CB 5/16X3/4 C5ZY	2
5	079026	45 MJ06-MAORB06	1	48	651620	SHCS M16-2X30 C12.9 OCB DIN912	12
6	095601	90 MJ04-MAORB04	1	49	652140	CB 1/4X2 C5ZY	2
7	121684	90 MJ12-MAORB16	1	50	134966	FW 1/2 HT ZY	2
8	122340	TEE BR MJ08-MJ08-MAORB08	1				
9	122641	TUBE/CHARGE	1				
10	131529	PLUG MORB08	2				
11	135773	WASHER 5/8 HT	12				
12	175377	TEE RUN MJ06-MAORB04-MJ06	1				
13	184102	VALVE/SOLENOID (see Page 148 for internal components)	1				
16	186913	PUMP/TANDEM 2.48 SERVO (see Page 150 for internal components)	1				
17	193672	MOTOR/2 SPEED RT (see Page 154 for internal components)	1				
18	193673	MOTOR/2 SPEED LT (see Page 154 for internal components)	1				
19	210-19469	LN FL SERR 1/4 CZY	2				
20	210-19470	LN FL SERR 5/16 CZY	2				
21	230-24749	ST MJ06-MORB08	3				
22	230-30569	ST MJ10-MORB08	1				
23	230-32753	TEE BR MJ04-MJ04-MAORB04	1				
24	272669	ST MC20-MORB12-S	5				
25	272867	90 MC20-MAORB12-S	3				
26	50300558	TEE RUN MJ06-MAORB08-MJ06	1				
27	50314088	TUBE/HYD -10 LH DRAIN	1				
28	50302257	HOSE/HYD -10 X 23IN	1				
29	50302415	HOSE/HYD -12 X 53IN	1				
30	50302813	TUBE/HYD -10 RH DRAIN	1				
31	50302819	TUBE/HYD -06 RH BRAKE	1				
32	50314105	TUBE/HYD -06 LH BRAKE	1				
33	50302821	TUBE/HYD -06 2 SP OUTLET	1				
34	50302822	TUBE/HYD -06 2 SP MOTOR	1				
35	50302858	TUBE/HYD -04 SERVO JUMPER	1				
36	50302897	HOSE/HYD -04 X 20N	1				
37	50303021	TUBE/HYD -06 2 SP PRESSURE	1				
38	50303087	BRACKET/2 SPEED VALVE	1				
39	50303220	TUBE/HYD -06 2 SP TANK	1				
40	50303240	HOSE/HYD -06 X 15IN	1				
41	50303437	HOSE/HYD -12 X 18.5IN	1				
42	50303438	HOSE/HYD -12 X 20IN	1				
43	50303439	HOSE/HYD -12 X 23IN	1				

**R165, R165 (EU), R165 X-SERIES - HYDRAULICS
TWO-SPEED DRIVE MOTORS 193672-193673**

Ref.	No.	Part No.	Description	Qty.
	1	194233	ASSY/CYLINDER BLOCK	1
	2	194234	KIT/PISTON REPAIR	1
	3	194235	ASSY/VALVING COVER	1
	4	194236	PIN/DOWEL	1
	5	194237	PIN/DOWEL	1
	6	184986	WASHER/SPRING	1
	7	184987	O-RING	1
	8	194238	ASSY/VALVING	1
	9	194239	ASSY/TWO-SPEED SPOOL	1
	10	194240	ASSY/BEARING SUPPORT #80-18	1
	11	194244	KIT/BEARING	1
	12	194246	SHAFT #80-18 SPROCKETS	1
	13	194247	ASSY/BRAKE	1
	14	194248	SPRING/BRAKE	8
	15	194249	PISTON/BRAKE	1
	16	194250	O-RING/BRAKE PISTON	1
	17	186016	O-RING	1
	18	184991	VALVING/SHUTTLE	1
	19	184992	KIT/SEAL	1
	20	194251	KIT/SEAL COMPLETE	1

R165, R165 (EU), R165 X-SERIES - HYDRAULICS HYDROSTATICS W/ DRIVE MOTORS (2-SPEED JOYSTICK CONTROLS)

Ref. No.	Part No.	Description	Qty.
1	054626	ST MJ08-MORB08	1
2	054816	90 MJ08-MAORB08	2
3	054994	ST MJ06-MORB06	5
4	068938	90 MJ06-MAORB06	2
5	072580	ST MJ10-MORB10	4
6	072602	ST MJ10-MORB12	1
7	079026	45 MJ06-MAORB06	2
8	121684	90 MJ12-MAORB16	1
9	135773	WASHER 5/8 HT	12
10	183978	MANIFOLD/VALVE (see Page 172 for internal components)	1
13	193672	MOTOR/2 SPEED RT (see Page 154 for internal components)	1
14	193673	MOTOR/2 SPEED LT (see Page 154 for internal components)	1
15	210-19469	LN FL SERR 1/4 CZY	2
16	210-19470	LN FL SERR 5/16 CZY	2
17	230-24749	ST MJ06-MORB08	4
18	272669	ST MC20-MORB12-S	5
19	272867	90 MC20-MAORB12-S	3
20	50300558	TEE RUN MJ06-MAORB08-MJ06	1
21	50302249	HOSE/HYD -12 X 31IN	1
22	50302250	TUBE/HYD -12 PUMP INLET	1
23	50314088	TUBE/HYD -10 LH DRAIN	1
24	50302256	TUBE/HYD -06 RH BRAKE	1
25	50302257	HOSE/HYD -10 X 23IN	1
26	50302813	TUBE/HYD -10 RH DRAIN	1
27	50314105	TUBE/HYD -06 LH BRAKE	1
28	50302821	TUBE/HYD -06 2 SP OUTLET	1
29	50302822	TUBE/HYD -06 2 SP MOTOR	1
30	50303087	BRACKET/2 SPEED VALVE	1
31	50303220	TUBE/HYD -06 2 SP TANK	1
32	50303222	TUBE/HYD -06 2 SP PRESSURE	1
33	50303240	HOSE/HYD -06 X 15IN	1
34	50303438	HOSE/HYD -12 X 20IN	1
35	50303440	HOSE/HYD -12 X 20.5IN	1
36	50303443	HOSE/HYD -12 X 27IN	1
37	50303445	HOSE/HYD -12 X 25IN	1
38	50303508	TUBE/HYD -08 CHARGE JUMPER	1
39	50351006	PUMP/TANDEM/A22 (internal components shown starting on Page 170)	1
40	650453	CS 1/2X1-1/2 C5ZY	2
41	650687	CB 5/16X3/4 C5ZY	2
42	651620	SHCS M16-2X30 C12.9 OCB DIN912	12
43	652140	CB 1/4X2 C5ZY	2
44	P471548	WASHER/HARD .50	2
45	072803	ST MJ08-MORB06	1

R165, R165 (EU), R165 X-SERIES - HYDRAULICS CHASSIS HYDRAULICS

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	054994	ST MJ06-MORB06	1	33	50302979	PLATE/FILTER SUPPORT (early version may vary in appearance)	1
2	055005	90 MJ12-MAORB12	2	34	50303199	TUBE/HYD -10 AUX	1
3	064260	HLN INST 5/16 CZY	2	35	50303200	TUBE/HYD -10 AUX	1
4	064644	ST MJ16-MORB16	2	36	50303226	TUBE/HYD -06 AUX PRESSURE	1
5	067761	90 MJ10-MAORB10	1	37	650449	CS 1/4X2-1/2 C5ZY	2
6	068938	90 MJ06-MAORB06	1	38	650487	CS 5/16X1 C5ZY (early version manifold mounting)	2
7	071401	HLN INST 1/4 CZY (if required)	2	39	650568	CS 5/16X2 C5ZY	5
8	072587	ST MJ12-MORB12	1	40	650704	CB 3/8X1 C5ZY	2
9	076588	CS FL LOCK 3/8X3/4 C5ZY	4	41	654004	FW 5/16 ANZY (early version manifold mounting)	2
10	079038	ST MJ20-MORB20	1	42	650833	CS 5/16X3 C5ZY	1
11	079098	PLATE/TOP SIZE 2 TWIN FLAT	6	43	651089	CS 1/4X3 C5ZY	2
12	079126	CLAMP/TUBE .62 TWIN	3	44	50308187	PLATE/TOP SIZE 2 TWIN FLAT RUBBER	4
13	088904	CLAMP/TUBE .50 TWIN	4	45	50308837	MANIFOLD BRKT (later version manifold mounting)	1
14	090666	LN FL SERR 3/8 CZY	2	46	650835	CS 1/4X1 C5ZY (later version manifold mounting)	2
15	102524	CLAMP/TUBE 1.00	1	47	090666	LN FL SERR 3/8 CZY (later version manifold mounting)	1
16	102525	PLATE/TOP SIZE 3 SINGLE	1		070648	LN LG FL SERR 5/16 CZ (interim version manifold mounting)	1
17	132049	TEMPERATURE SWITCH	1				
18	186207	TUBE CLAMP 1 -1/4	1				
19	186254	TUBE CLAMP PLATE	1				
20	194528	BRKT/HARNESS	2				
21	210-19470	LN FL SERR 5/16 CZY	4				
22	210-32184	LN FL CTR 1/4 CZY	2				
23	230-24749	ST MJ06-MORB08	1				
24	272452	HYDRAULIC FILTER (see Page 176 for internal components)	1				
25	50301721	MANIFOLD/RETURN/BRAKE (early version manifolds do not have mounting holes to secure bracket, Ref. 45)	1				
	50290620	12 VDC, DROP IN 3/2 SOLENOID VALVE	1				
	240197	SHCS, MS X .8 X 10 MM	2				
	50290621	SEAL KIT	1				
26	50313036	TUBE/HYD -08 LOWER (SN 198125 and After)	1				
	50302233	TUBE/HYD -08 LOWER (SN 198124 and Before)	1				
27	50313037	TUBE/HYD -08 LIFT (SN 198125 and After)	1				
	50302234	TUBE/HYD -08 LIFT (SN 198124 and Before)	1				
28	50313035	TUBE/HYD -10 TILT DUMP (SN 198125 and After)	1				
	50302236	TUBE/HYD -10 TILT DUMP (SN 198124 and Before)	1				
29	50302237	TUBE/HYD -08 LIFT	1				
30	50302238	TUBE/HYD -08 LOWER	1				
31	50302286	TUBE/HYD -16 TANK RETURN	1				
32	50315830	TUBE/HYD -20 GP SUPPLY (SN 198522 AND UP)	1				
	50302287	TUBE/HYD -20 GP SUPPLY (SN 198521 AND BEFORE)	1				

R165, R165 (EU), R165 X-SERIES - HYDRAULICS COUPLER BLOCK

Ref.	No.	Part No.	Description	Qty.
	0	50352739	BLOCK/COUPLER (complete)	1
	1	50352914	KIT/FITTING/3/4 SAE (includes fitting, spring and O-ring)	2
	2	50352909	COUPLER/MALE	1
	3	50352912	COUPLER/RETURN	1
	4	50352910	COUPLER/FEMALE	1

**R165, R165 (EU), R165 X-SERIES - HYDRAULICS
GEAR PUMP (T-B/H-F CONTROLS)**

Ref.	No.	Part No.	Description	Qty.
	0	50301780	PUMP/GEAR/30CC (complete pump)	1
	1	50286979	GEAR HOUSING	1
	2	50286980	FRONT COVER	1
	3	50286981	REAR COVER	1
	4	50286983	THRUST PLATE, AV R05	2
	5	50286985	DRIVE SHAFT, PL20.30	1
	6	50286991	DRIVEN GEAR, F-K-PL20.30	1
	7	50286994	HHCS, 10 X 120	4
	8	50286996	WASHER, 10 (10.5X16X2)	4
	9	50286998	SNAP RING, 30MM	1
	10	50286999	PIN, 0.5 X 10MM	4
	11	50287000	SEAL KIT	1

**R165, R165 (EU), R165 X-SERIES - HYDRAULICS
AUXILIARY HYDRAULICS (JOYSTICK CONTROLS) (SN 198125 AND AFTER)**

Ref.	No.	Part No.	Description	Qty.
	1	054994	ST MJ06-MORB06	4
	2	055005	90 MJ12-MAORB12	1
	3	072580	ST MJ10-MORB10	6
	4	072587	ST MJ12-MORB12	2
	5	072806	TEE MJ06-FJS06-MJ06	1
	6	076587	CS FL LOCK 5/16X5/8 C5ZY	4
	7	079289	O-RING 155 N70	1
	8	129124	ST MJ06-MORB04	2
	9	132067	GEAR PUMP/1.708 SINGLE (see Page 210 for internal components)	1
	10	175377	TEE RUN MJ06-MAORB04-MJ06	1
	11	193169	TESTPORT	1
	12	193665	45 HB20-MAORB20	1
	13	195112	CLAMP/T-BOLT 1.62	2
	14	50353361	HOSE/SUCTION 11.00 (SN 198522 AND UP)	1
		50302276	HOSE/HYD -20 X 10IN (SN 198521 AND BEFORE)	
	15	50303223	TUBE/HYD -06 AUX CTRL	1
	16	50303224	TUBE/HYD -06 AUX CTRL	1
	17	50303225	TUBE/HYD -06 AUX DRAIN	1
	18	50303255	HOSE/HYD -12 X 30IN	1
	19	50303681	Y MJ06-MJ06-MAORB04	1
	20	50315576	3 SPOOL PILOT CONTROL VALVE (see Page 206 for internal compo- nents)	1
	21	50657014	CS 1/2X1-3/8 C5ZY	2
	22	654030	LW 1/2 RZY	2

**R165, R165 (EU), R165 X-SERIES - HYDRAULICS
AUXILIARY HYDRAULICS, HI-FLOW AUX. (JOYSTICK CONTROLS)**

Ref.	No.	Part No.	Description	Qty.
	1	054820	TEE RUN MJ06-MAORB06-MJ06	2
	2	054994	ST MJ06-MORB06	6
	3	055005	90 MJ12-MAORB12	4
	4	055064	45 MJ12-MAORB12	1
	5	064260	HLN INST 5/16 CZY	1
	6	072580	ST MJ10-MORB10	6
	7	072587	ST MJ12-MORB12	2
	8	072806	TEE MJ06-FJS06-MJ06	2
	9	076587	CS FL LOCK 5/16X5/8 C5ZY	4
	10	079097	CLAMP/TUBE .75 TWIN	1
	11	079289	O-RING 155 N70	1
	12	131846	HOSE/MP .75 X 24"	1
	13	193169	TESTPORT	1
	14	193665	45 HB20-MAORB20	1
	15	195112	CLAMP/T-BOLT 1.62	2
	16	245055	PLATE/TWIN FLAT	1
	17	652040	CB 5/16X2-1/2 C5ZY	1
	18	654030	LW 1/2 RZY	2
	19	50353361	HOSE/SUCTION/11.00	1
	20	50303225	TUBE/HYD -06 AUX DRAIN	1
	21	50303255	HOSE/HYD -12 X 30IN	1
	22	50308187	PLATE/TOP SIZE 2 TWIN FLAT RUB- BER	1
	23	50311756	TUBE/HYD -06 AUX CTRL	1
	24	50311761	TUBE/HYD -06 AUX CTRL	1
	25	50312908	TUBE/HYD -12 H-F	1
	26	50312909	TUBE/HYD -12 H-F	1
	27	50315577	4 SPOOL PILOT CONTROL VALVE (see Page 216 for internal compo- nents)	1
	28	50351634	PUMP/GEAR 29 + 19 (see Page 218 for internal components)	1
	29	50657014	CS 1/2X1-3/8 C5ZY	2

**R165, R165 (EU), R165 X-SERIES - HYDRAULICS
SELF-LEVEL VALVE**

Ref.	No.	Part No.	Description	Qty.
	1	271958	VALVE/SELF LEVEL W/BYPASS	1
	2	50286966	FLOW DIVIDER SPOOL	1
	3	50280058	COIL	1
	4	50280059	CARTRIDGE	1
	5	080808	PIN	1
	6	080809	CAP	1
	7	080811	SET SCREW	1
	8	080810	NUT	1
	9	420-34798	COVER, TAMPER PROOF	1
	10	080813	PLUG ASSEMBLY	2
	11	088472	PLUG ASSEMBLY	1
	12	088471	SPRING	1
	13	088473	LOAD CHECK	1
	14	129066	SEAL KIT	1
	15	129004	PLUG ASSEMBLY	1
	16	50286967	UNLOADING SPOOL	1
	17	350-27299	RETAINING RING	1
	18	380-32420	SPRING	1

**R165, R165 (EU), R165 X-SERIES - HYDRAULICS
MANIFOLD ASSY 184363**

Ref.	No.	Part No.	Description	Qty.
	1	184363	ASSY/MANIFOLD (Includes Refs. 2-4)	1
	2	184384	COIL	3
	3	184389	CARTRIDGE	2
	4	184388	CARTRIDGE	1

**R165, R165 (EU), R165 X-SERIES - HYDRAULICS
POWER-A-TACH HYDRAULICS, HI-FLOW AUX. (T-B/H-F CONTROLS)**

Ref.	No.	Part No.	Description	Qty.
	1	50657028	CS 1/4X4-1/4 C5ZY	2
	2	50351381	VALVE/POWER ALL-TACH (see Page 250 for internal components)	1
	3	50313030	TUBE/HYD -06 PAT VALVE OUT	1
	4	50313029	TUBE/HYD -06 PAT VALVE IN	1
	5	50308187	PLATE/TOP SIZE 2 TWIN FLAT RUB- BER	2
	8	50302156	HOSE/HYD -06 X 36.5IN	2
	9	652036	CB 5/16X2 C5ZY	1
	10	245180	CLAMP/TUBE .38 TWIN	1
	11	191056	HOSE/MP 3/8 X 19.50	1
	12	137574	TILT CYLINDER HOSE	1
	13	088442	90 MJ08-FJS08	2
	14	079098	PLATE/TOP SIZE 2 TWIN FLAT	1
	15	076143	TEE MJ08-FJS08-MJ08	1
	16	072803	ST MJ08-MORB06	1
	17	068938	90 MJ06-MAORB06	1
	18	054994	ST MJ06-MORB06	2
	19	210-19470	LN FL SERR 5/16 CZY	1
	20	210-19469	LN FL SERR 1/4 CZY	2
	21	110227	90 MJ06-MAORB08	1

R165, R165 (EU), R165 X-SERIES - ATTACHMENTS POWER-A-TACH ACTUATOR (LATER MACHINES)

Ref.	No.	Part No.	Description	Qty.
	1	054820	TEE RUN MJ06-MAORB06-MJ06	1
	2	054994	ST MJ06-MORB06	1
	3	068938	90 MJ06-MAORB06	1
	4	50300520	ST MAORB06-MORB06	1
	5	50313924	COVER/BACK/POWER ALL-TACH	1
	6	50313938	COVER/FRONT/POWER ALL-TACH	1
	7	50314248	HOSE AND SLEEVE/ASSY	1
	8	50351569	VALVE/POWER ALL-TACH	1
	9	50351576	TUBE/POWER ALLTACH	1
	10	50351632	BRKT/POWER ALLTACH	1
	11	50351714	CYLINDER/HYD POWER F-A-T	1
	12	50351718	LINK/SPRING SLIDE	2
	13	50351732	BRKT/STOP	2
	14	50351760	FLAG/INDICATOR/LH	1
	15	50351761	FLAG/INDICATOR/RH	1
	16	650706	CS 1/4X2 C5ZY	2
	17	650985	SCREW/THWH TC USL 5/16X3/4 CZY	2
	18	651260	SCREW/THWH TC USL1/4X5/8 CZY	4
	19	651739	BHSCS 3/8X3/4 C8 OCG	2
	20	653005	HN 1/4 C2ZY	2
	21	653053	HJN 3/4 F2ZY	2
	22	L76020	CLAMP/HOSE #32	1
	23	50300236	HOSE/MP .375 X 26.00	1
	24	50314256	HOSE/HYD -06 X 26IN	1
	25	50314259	SLEEVE/PROTECTIVE 20	1
	26	139107	DECAL-LATCHING (LEFT)	1
	27	139109	DECAL-LATCHING (RH)	1
	28	184357	DECAL/POWER-A-TACH	1

DECALS

GENERAL INFORMATION

Decal location information is provided to assist in the proper selection and application of new decals, in the event the original decals become damaged or the machine is repainted. Refer to the listing for the illustration reference number, part number, description and quantity of each decal. Refer to the appropriate illustrations for replacement locations.

To ensure proper selection of the correct replacement decals, compare all of the various closeup location drawings to your machine before starting to refinish the unit. Then circle each decal shown (applicable to your machine) while checking off its part number in the listing.

NOTE: Refer to the *SAFETY* chapter of the *Operator's Manual* for specific information provided on the various safety decals.

NEW DECAL APPLICATION

If there is a decal on a part that is to be replaced, be sure that the decal is applied to the replacement part. Surfaces **MUST** be free from dirt, dust, grease and other foreign material before applying the new decal. To apply, remove the smaller portion of the decal backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Peel the other portion of the backing paper off slowly while applying hand pressure to smooth out the decal surface.



CAUTION

ALWAYS follow safety precautions on decals. Replace decals if they are damaged, or if the unit is repainted. If repainting, **BE SURE** all applicable decals are affixed to the unit.

R165, R165 (EU), R165 X-SERIES - ABBREVIATIONS AND DESCRIPTIONS FOR FITTINGS

ABBREVIATIONS AND DESCRIPTIONS FOR FITTINGS

Abbrev.	Description
45	45 Degree
90	90 Degree
A	Adjustable (Within Other Abbrev.)
BLKHD	Bulkhead
BR	Branch (Tee Type)
FJ	Female JIC
FJS	Female JIC Swivel
FORB	Female O-Ring Boss
FQL	Female Quick Lock
HB	Hose Barb
-L	Medium Pressure

Abbrev.	Description
MBSPT	Male British Standard Pipe Taper
MC	Male Cone
MJ	Male JIC
MORB	Male O-Ring Boss
MP	Male Pipe
RUN	Tee type
-S	High Pressure
SS	Stainless Steel
ST	Straight

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