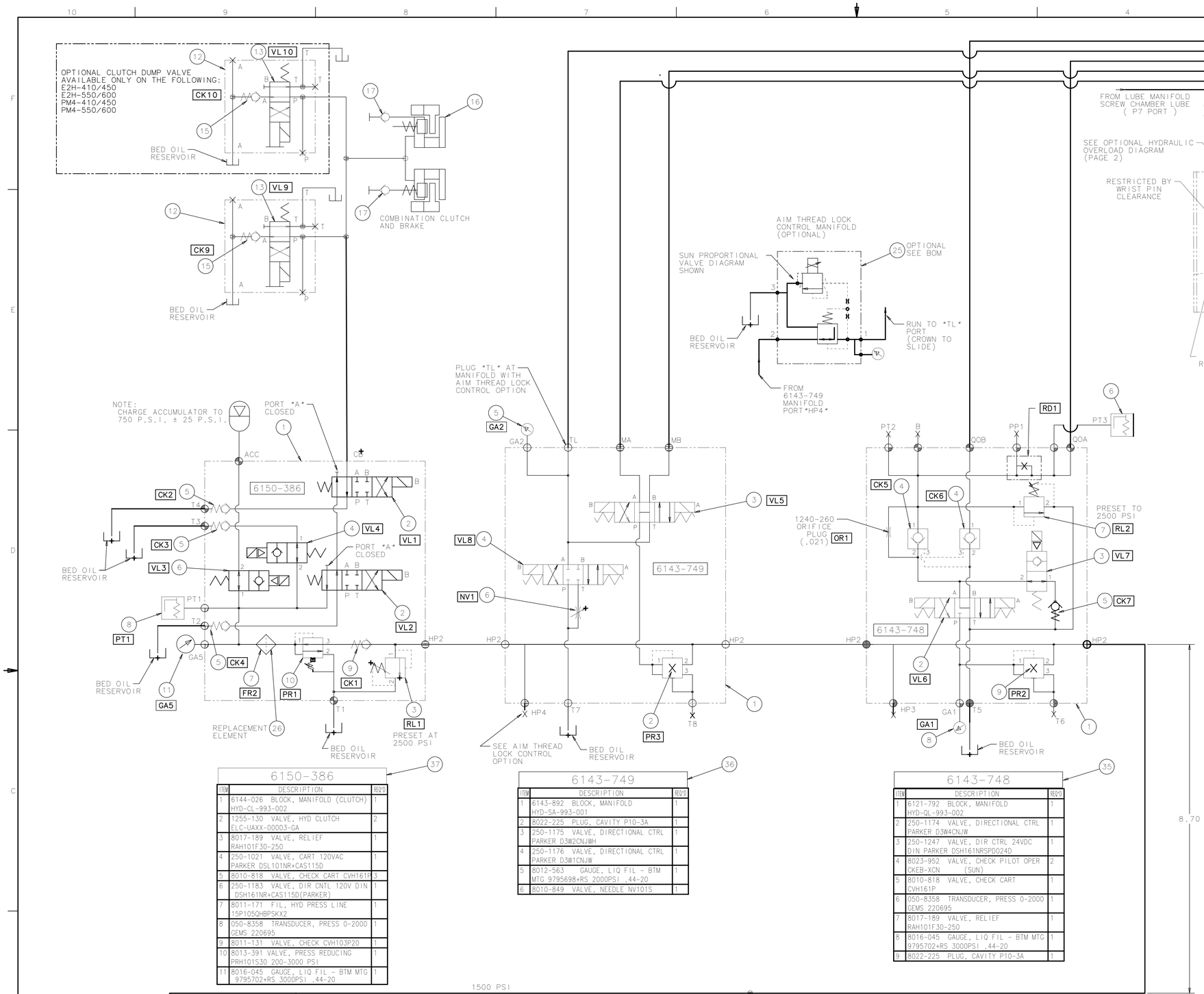


ITM	DESCRIPTION	REQ'D
1	010-4101 SW, OPTIC LEVEL 12VDC GEMS 153843	1
2	8011-200 STRAINER HA-FS-30 (HYDRO CRAFT)	1
3	7100-923 VALVE, SHUTOFF (600 PSI) T-FP-600-1.25 (1.25NPT)	1
4	8030-460 PUMP, HYD (PARKER) PD028PS02SR55BC00E1200000	1
5	8019-859 FILTER 30P220QBE2KS162	1
6	8019-860 ELEMENT, FILTER 933136Q	1
7	250-1243 SOL, 2WAY PARKER DSL101CHRSSD024D	1
8	390-7640 CORDSET, DC DIN-A - LEADS TURCK VAS22-F653-5M	1
9	8008-684 VALVE, NEEDLE N60OS	1
10	8004-295 VALVE, CHECK(CIRCLE SEAL) 232B-3PP	1
11	8019-550 ACCUM, PISTON TYPE A6E0231L1K 1.0GAL 3000PSI	1
12	6101-219 ASSY, CL DUMP VALVE 50-EFHC-2162-003	B/M
13	250-1173 VALVE, SINGLE 2POS DIN CONT VSD05M-1A-G-33L-A	B/M
14		-
15	8021-360 VALVE, CHECK CART 2212B-1 (KEPNER)	B/M
16	HYD. COMBINATION CLUTCH AND BRAKE	1
17	8019-727 BLEEDER (SCHROEDER) SP1215UN716VP .44-20 UNF	2
18	8019-738 MOTOR, HYD (WHITE) 300090W8112AAAAA	1
19	8013-684 PLUG, PIPE-ORIFICE .12NPT .031(0.8MM)	3
20	8012-308 VALVE, PRESS REDUCING PRH102S10	1
21	8007-342 FTG, SAE PLUG(C'SUNK HEX) 10HP50NS(0.88-14)	1
22	1252-129 MANIFOLD, OVERLOAD VALVE E4H-1500-999	1
23	8022-853 VALVE, RELIEF CART RDH101K30	1
24	8020-371 GAUGE, LIQ FIL - PANEL MT 9693976+FF+RS 3000 .25NPT	1
25	6150-423 ASSY, AIM THREAD LOCK CONTROL (OPTIONAL) PM3P-315-2396-002 (SEE BOM)	1
-	6150-531 ASSY, AIM THREAD LOCK CONTROL (OPTIONAL) PM3P-315-2396-004 (SEE BOM)	1
26	8003-799 CART, FILTER FPE142V (FILPRO)	1
27	-	-
28	-	-
29	-	-
30	-	-
31		
32		
33		
34		
35	6143-748 ASSY, SUB MANIFOLD HYD-QL-2372-001	1
36	6143-749 ASSY, SUB MANIFOLD HYD-SA-2372-001	1
37	6150-386 ASSY, SUB MANIFOLD (120V) HYD-CL-2372-004	1

6150-386

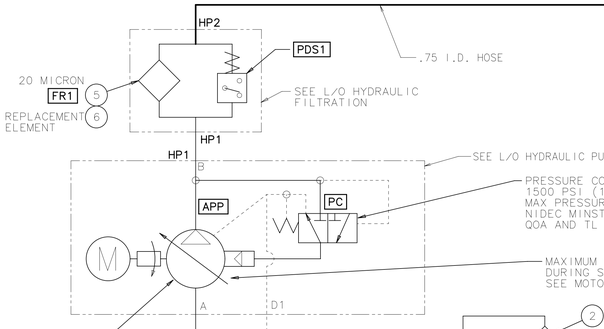
ITEM	DESCRIPTION	REQ'D
1	6144-026 BLOCK, MANIFOLD (CLUTCH) HYD-CL-993-002	1
2	1255-130 VALVE, HYD CLUTCH ELC-UAXX-00003-GA	2
3	8017-189 VALVE, RELIEF RAH101F30-250	1
4	250-1021 VALVE, CART 120VAC PARKER DSL101NR+CAS115D	1
5	8010-818 VALVE, CHECK CART CVH161P	3
6	250-1183 VALVE, DIR CNTL 120V DIN DSH161NR+CAS115D(PARKER)	1
7	8011-171 FIL, HYD PRESS LINE 15P105QHBPSKX2	1
8	050-8358 TRANSDUCER, PRESS 0-2000 GEMS 220695	1
9	8011-131 VALVE, CHECK CVH103P20	1
10	8013-391 VALVE, PRESS REDUCING PRH101S30 200-3000 PSI	1
11	8016-045 GAUGE, LIQ FIL - BTM MTG 9795702+RS 3000PSI .44-20	1

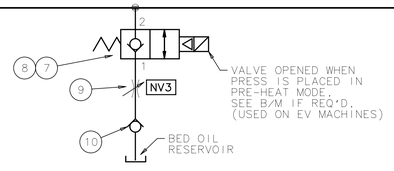
6143-749

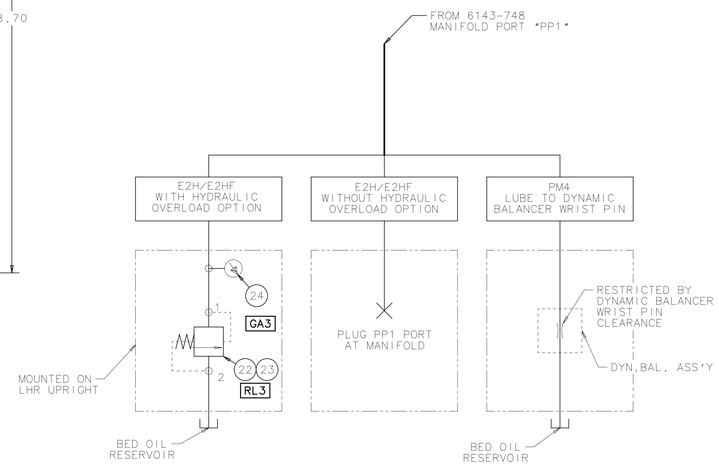
ITEM	DESCRIPTION	REQ'D
1	6143-892 BLOCK, MANIFOLD HYD-SA-993-001	1
2	8022-225 PLUG, CAVITY P10-3A	1
3	250-1175 VALVE, DIRECTIONAL CTRL PARKER D3W2CNJWH	1
4	250-1176 VALVE, DIRECTIONAL CTRL PARKER D3W1CNJW	1
5	8012-563 GAUGE, LIQ FIL - BTM MTG 9795698+RS 2000PSI .44-20	1
6	8010-849 VALVE, NEEDLE NV101S	1

6143-748

ITEM	DESCRIPTION	REQ'D
1	6121-792 BLOCK, MANIFOLD HYD-QL-993-002	1
2	250-1174 VALVE, DIRECTIONAL CTRL PARKER D3W4CNJW	1
3	250-1247 VALVE, DIR CTRL 24VDC DIN PARKER DSH161NRSPD024D	1
4	8023-952 VALVE, CHECK PILOT OPER CKEB-XCN (SUN)	2
5	8010-818 VALVE, CHECK CART CVH161P	1
6	050-8358 TRANSDUCER, PRESS 0-2000 GEMS 220695	1
7	8017-189 VALVE, RELIEF RAH101F30-250	1
8	8016-045 GAUGE, LIQ FIL - BTM MTG 9795702+RS 3000PSI .44-20	1
9	8022-225 PLUG, CAVITY P10-3A	1







* ACCUMULATOR SHUTOFF VALVE (VL3) IS ONLY ENERGIZED WHEN THE CONTROL IS SWITCH TO THE CONTINUOUS MODE.

** SLIDE DUMP VALVE (VL7) IS ONLY ENERGIZED WHEN THE CONTROL IS SWITCHED TO THE SLIDE LOWERED POSITION.

RECOM'D OIL TEMP: 100°F (38°C) MIN
140°F (60°C) MAX

100 kPa = 1 BAR

DIAGRAM SHOWN IN POWER OFF CONDITION

LUBRICANT:
MOBILFLUID 424 MINSTER LUBE #8
(SAE 10W-30 VISCOSITY)
GAL TOTAL REQUIREMENT

SEE MANUFACTURING NOTES

TOLERANCES UNLESS OTHERWISE SPECIFIED
MACHINING
X AND X.X ± .100
X.XX ± .010
X.XXX ± .001
X.XXXX ± .0005
CLASS 2A/2B THDS (INCH)
CLASS 6g/6H THDS (MM)
FINISH 125 MICROINCHES
BREAK SHARP CORNERS .03

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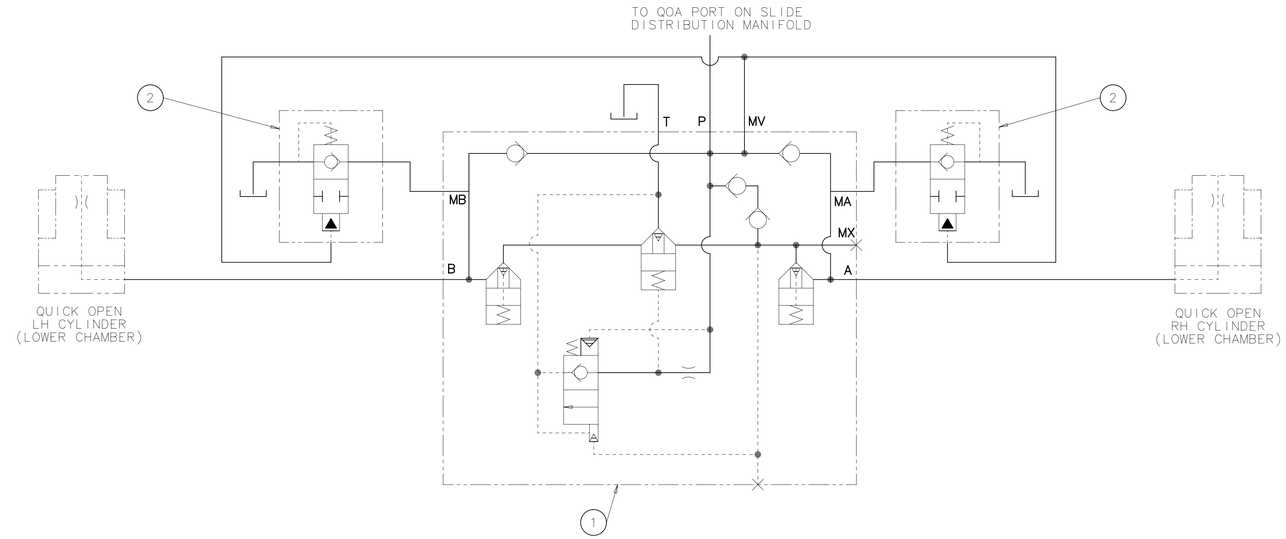
PART NAME: DIAGRAM, JIC HYDRAULIC
EV, PM4, E2HF, E2H
REFERENCE NUMBER: 6101-218
GROUP TECH. NUMBER: E2P | 550 | 101001 | 006

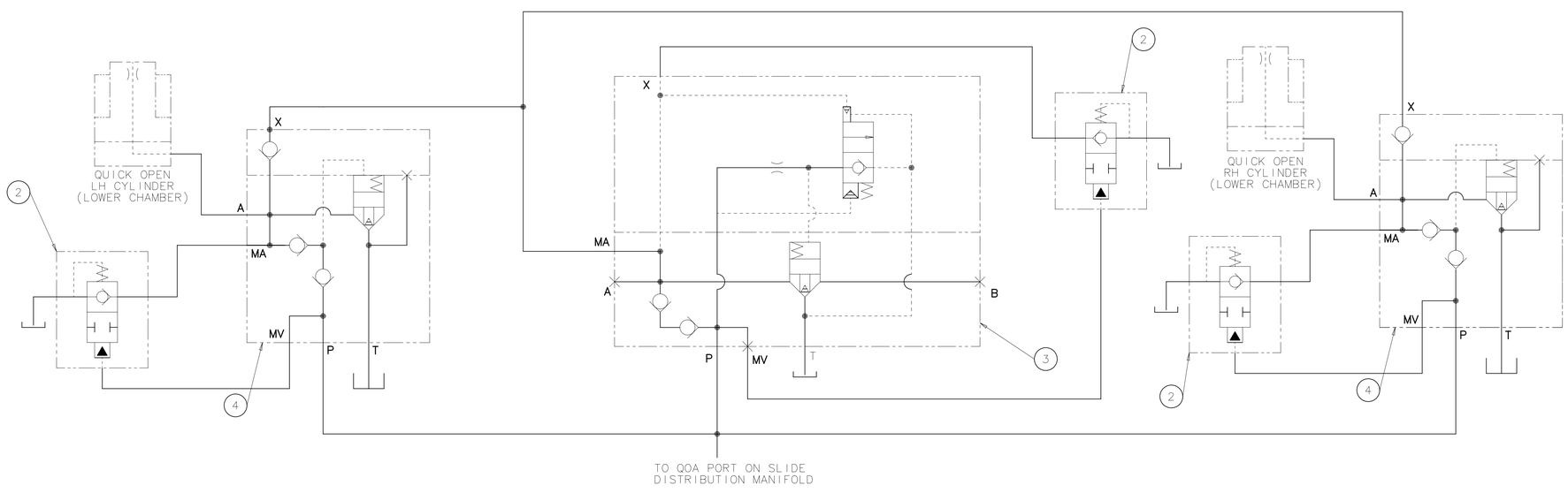
SUPERSEDES	DRAWING DATE 2019-07-08
SUPERSEDED BY	DRAWN BY FJW
PATTERN PART NUMBER	CHECKED BY FJW
ESTIMATED WEIGHT	LAST REVISED BY FJW
MATERIAL N/A	LAST REVISION DATE 2020-08-25
DRAWING SCALE	REVISION LEVEL 001
SHEET NO. 1 OF 2 SHEETS	PART NUMBER 6150-419

ITM	DESCRIPTION	REQ'D
1	6122-379 ASSY, HYD OVERLOAD UNIT E2P-315-2320-005	1
	8029-687 VALVE, OVERLOAD (HERION) 6015831 (1:1.6 RATIO)	B/M
	8015-479 VALVE, OVERLOAD (HERION) 6015829 (1:1.3 RATIO)	B/M
2	8030-075 VALVE, CHECK PILOT OPER CPC101P50-8T (PARKER)	5
	8013-447 BODY, CARTRIDGE B10-3-8T	1
	8030-076 VALVE, CHECK PILOT OPER CPC101P50 (PARKER)	1
3	6150-092 ASSY, HYD OVERLOAD UNIT E2P-410-2320-001	1
	8031-016 BLOCK, MANIFOLD (HERION) 66015884 (1:1.3 RATIO)	1
4	8021-474 BLOCK, MANIFOLD (HERION) 6015560 (DAVS40KA)	2

OPTIONAL HYDRAULIC OVERLOAD DIAGRAM FOR E2H/E2HF - 315 (CHASSIS A)



OPTIONAL HYDRAULIC OVERLOAD DIAGRAM FOR E2H/E2HF - 410 & 550 (CHASSIS B & C)



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MACHINING X AND X.X ± .100 X.XX ± .010 X.XXX ± .001 X.XXXX ± .0005			SUPERSEDED BY	DRAWN BY FJW
			PATTERN PART NUMBER	CHECKED BY FJW
	PART NAME DIAGRAM, JIC HYDRAULIC		ESTIMATED WEIGHT	LAST REVISED BY FJW
CLASS 2A/2B THDS (INCH)	EV, PM4, E2HF, E2H		MATERIAL N/A	LAST REVISION DATE 2020-08-25
CLASS 6g/6H THDS (MM)				
FINISH 125 MICROINCHES	REFERENCE NUMBER 6101-218		DRAWING SCALE	REVISION LEVEL 001
BREAK SHARP CORNERS .03				
.015 .015 .015	GROUP TECH. NUMBER E2P 550 10100 006	D	SHEET NO: 2 OF SHEETS 2	PART NUMBER 6150-419