

Loader Manual

Name	Model
L75	RK24H

Mark	Date.	Specification

TYM R&D CENTER

※ Bolt, Nut tightening torque

Please adhere to standard down figure when is tightening nut and bolts.

Configura tion item	Hexagon head bolt, Nut tightening torque (kgf-cm)			
NO	Bolts, Nuts size	9T	7T	4T
1	M5	-	60~70	30~40
2	M6	-	100~130	60~80
3	M8	-	250~350	130~180
4	M10	-	550~700	200~300
5	M12	1,150~1,280	900~1,100	500~600
6	M14	1,840~2,040	1,300~1,500	700~800
7	M16	2,840~3,160	1,600~1,800	1,000~1,200
8	M18	3,930~4,360	2,000~2,400	1,200~1,400
9	M20	5,550~6,170	2,400~2,600	1,500~2,600

2)Hydraulic fitting screwing torque

: 1/4” : 250 kgf-cm, 3/8” : 500 kgf-cm, 1/2” : 600 kgf-cm

3rd Function KIT

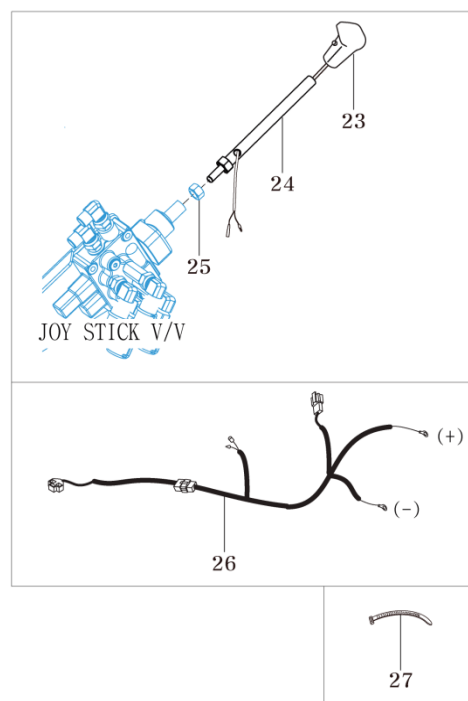
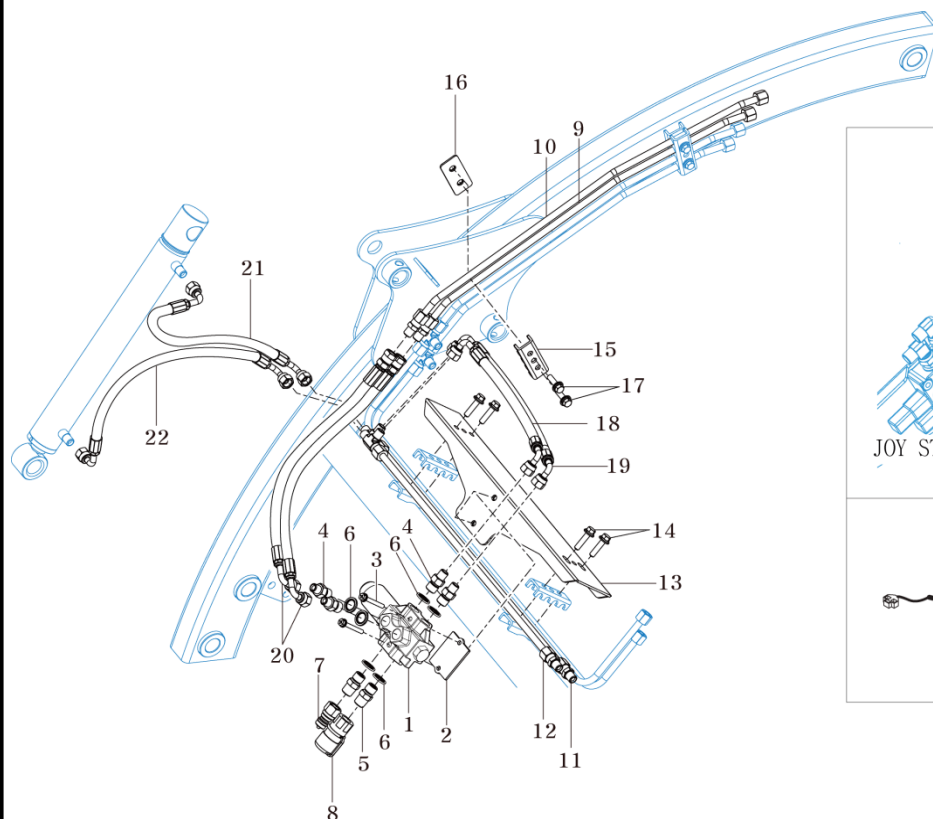
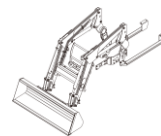
INSTALLATION

L75

HYDRAULIC PIPING ASSEMBLY

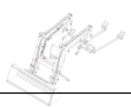
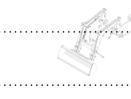
Year /
Month

2018 / 07



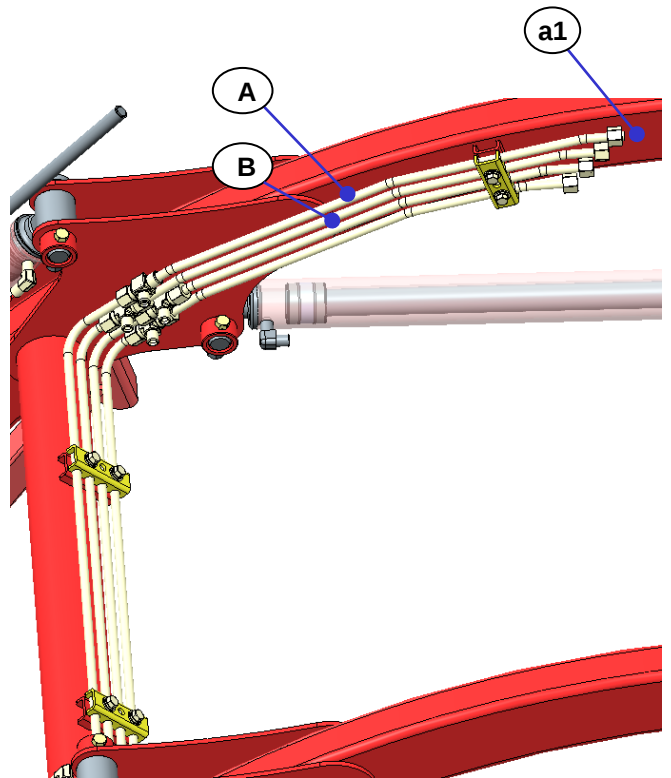
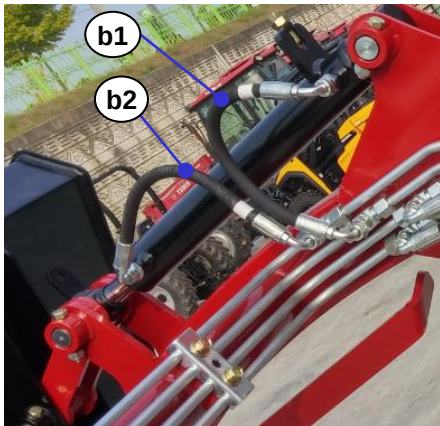
3rd Function KIT

INSTALLATION

L75		3RD FUNCTION HYDRAULIC SUB			P1	Year/Month	
						2018/07	
KEY NO.		PART NO.	DESCRIPSTION	SPEC.	QTY.	EFFECTIVE DATE	REMARKS
010	000	85516000000	3rd Function KIT		1		
010	001	12A270026	DIVERTER VALVE		1		
010	002	86703009130	PLATE , VALVE		1		
010	003	V2183606050	BOLT , HEX(SP)	M6X50	2		
010	004	87603000040	UNION , PF3/8 PF1/4	PF3/8 PF1/4	4		
010	005	87603000060	UNION , PF3/8 PT3/8	PF3/8 PT3/8	2		
010	006	85903005050	SEAL , BONDED		6		
010	007	V7740010601	NIPPLE	PT3/8	1		
010	008	16495301000	COUPLER	PT3/8	1		
010	009	87753006300	PIPE ASSY , A UPPPER		1		
010	010	87753006400	PIPE ASSY , A LOW		1		
010	011	87753007300	PIPE ASSY , B UPPPER		1		
010	012	87753007400	PIPE ASSY , B LOW		1		
010	013	87753009100KR	COVER COMP , PIPE		1		
010	014	V2183608035	BOLT , HEX	M8X35	4		
010	015	85102000050	BRACKET A	3.2T	4		
010	016	88202000300	BRACKET A COMP	3.2T	1		
010	017	V2183608030	BOLT , HEX	M8X30	2		
010	018	85363009030	HOSE ASSY , 280 90°-90° HYD	PF1/4	1		
010	019	88103009310	HOSE ASSY , 340 90°-90° HYD	PF1/4	1		
010	020	85363009040	HOSE ASSY , 600 90° HYD	PF1/4	2		
010	021	87503009231	HOSE ASSY , 320 90°-90°(180) HYD	PF1/4	1		
010	022	87503009240	HOSE ASSY , 300 90°-90°(180) HYD	PF1/4	1		
010	023	84603009500GB	LEVER COMP , JOYSTICK		1		
010	024	4IMP500707	GRIP , JOYSTICK		1		
010	025	V3343600140	NUT , HEX	M14	1		* Not service
010	026	87603009160	HARNESS ASSY		1		
010	027	13424020060	CABLE TIE		4		

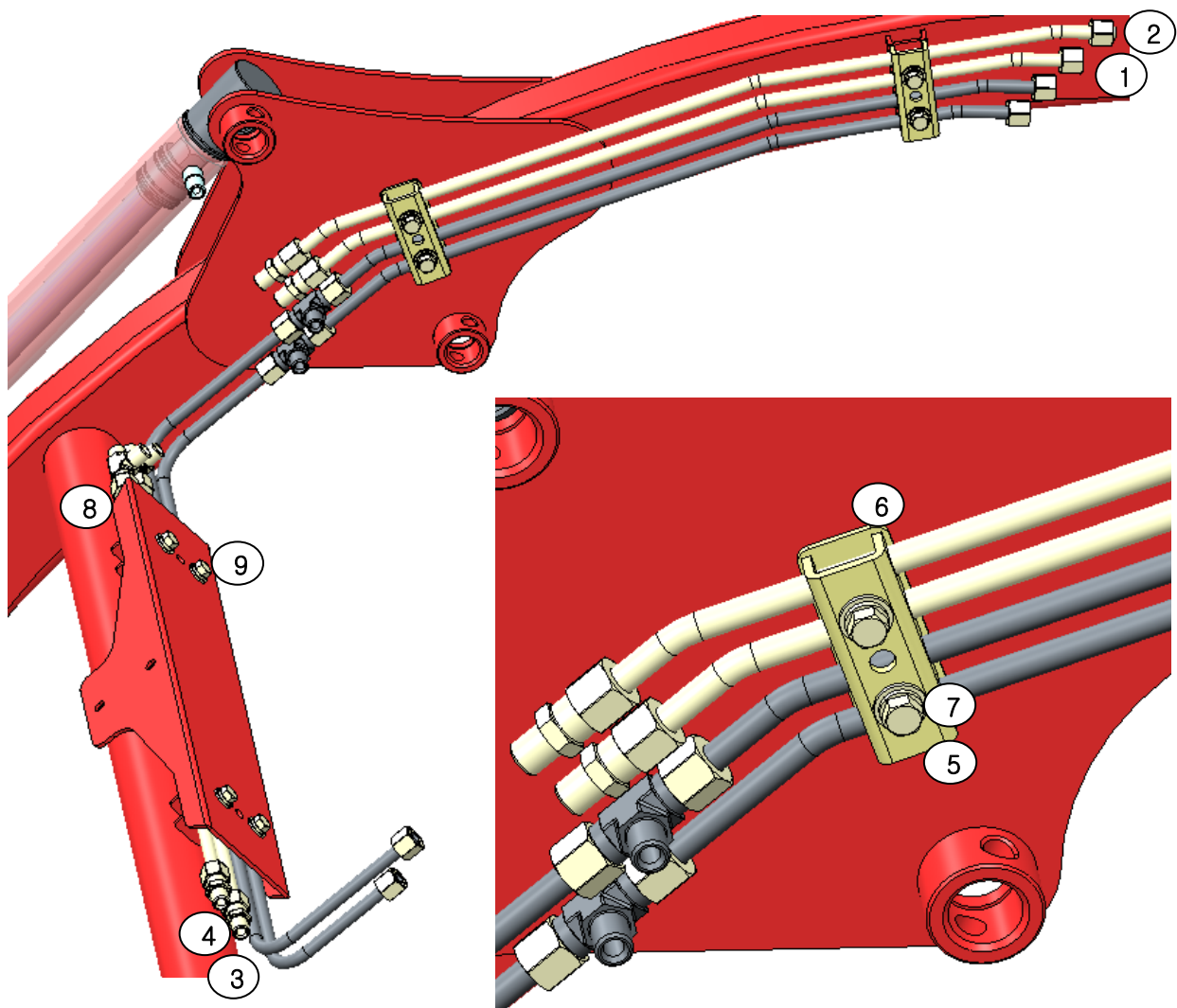
1. Disassembly of Pipe and Hydraulic Hose

- A : PIPE ASSY ROLLBACK
- B : PIPE ASSY DUMP
- a1 : Hydraulic Hose sub (Reassemble after disassembly)
L75 : 800 mm / 900 mm
- b1 & b2, c1 & c2 : Hydraulic Hose

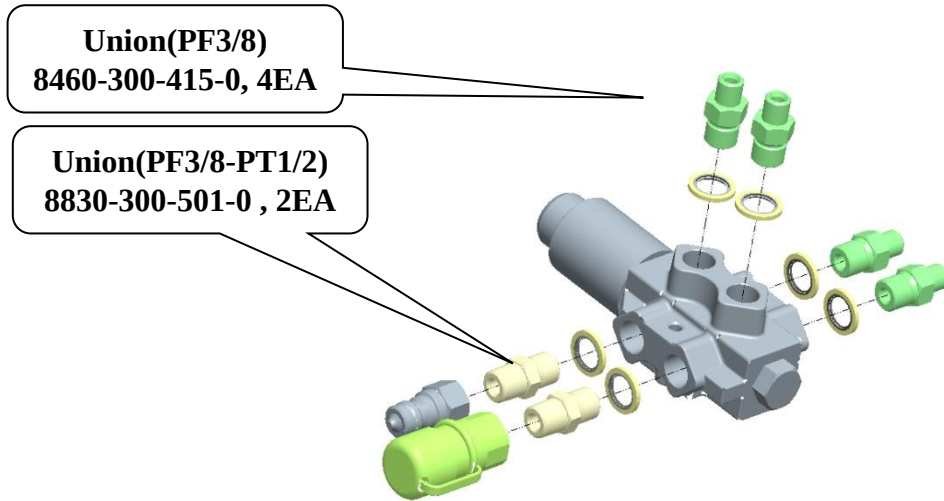


2. Assembly of 3rd Function Pipe

- 1) PIPE ASSY , A UPPER (No. 9)
- 2) PIPE ASSY , B UPPER (No. 10)
- 3) PIPE ASSY , A LOWER (No. 11)
- 4) PIPE ASSY , B LOWER (No. 12)
- 5) BRACKET B (No. 15)
- 6) PLATE COMP , PIPE (No. 16)
- 7) BOLT M8 X 30L (2EA) (No. 17)
- 8) Cover , pipe (No. 13)
- 9) BOLT M8 X 35L (4EA) (No. 14)

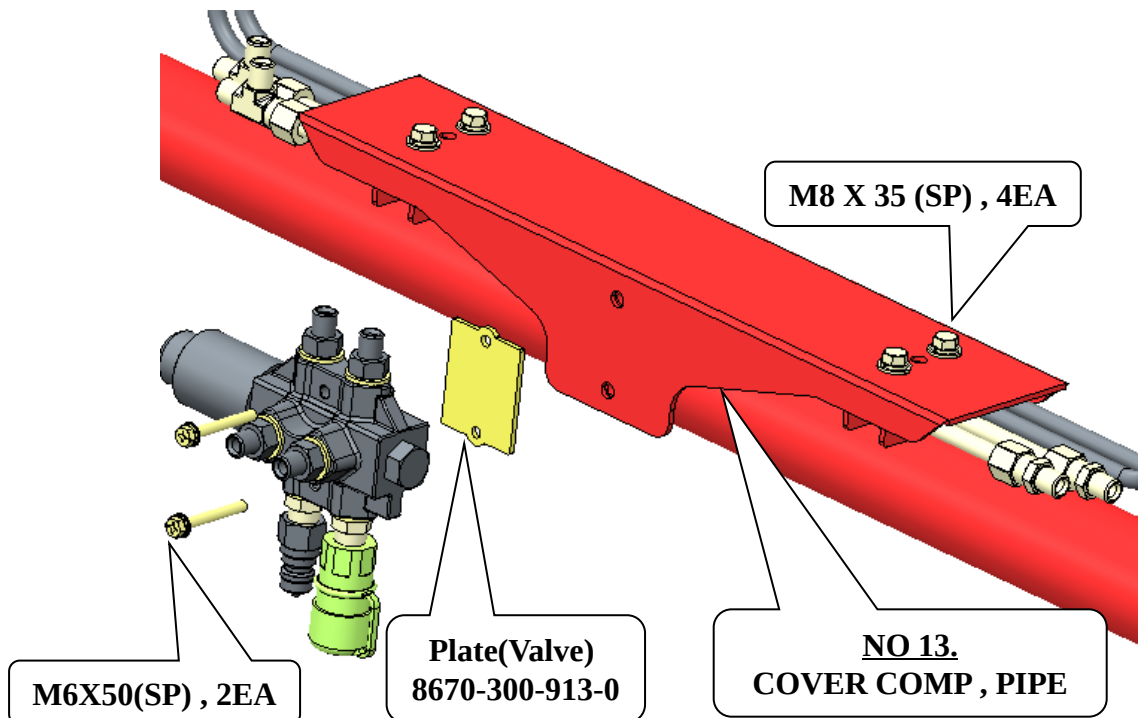


3. Assembly of Diverter valve sub

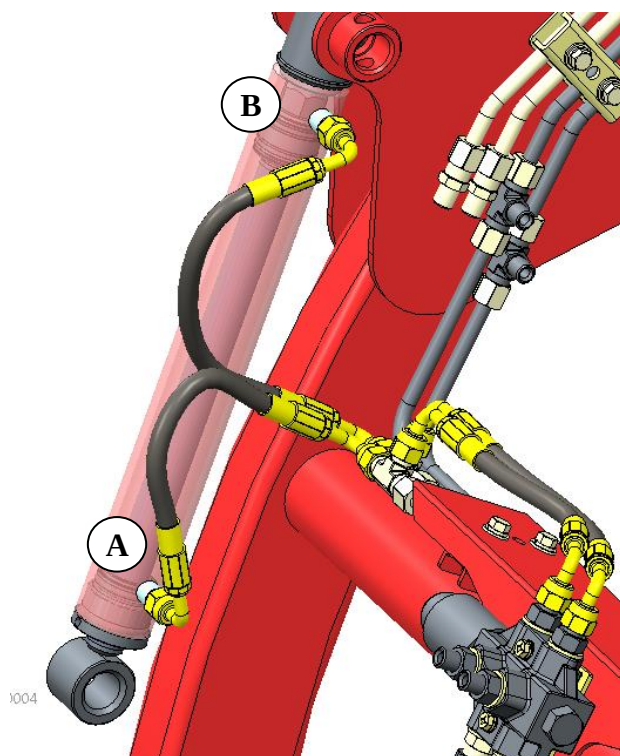
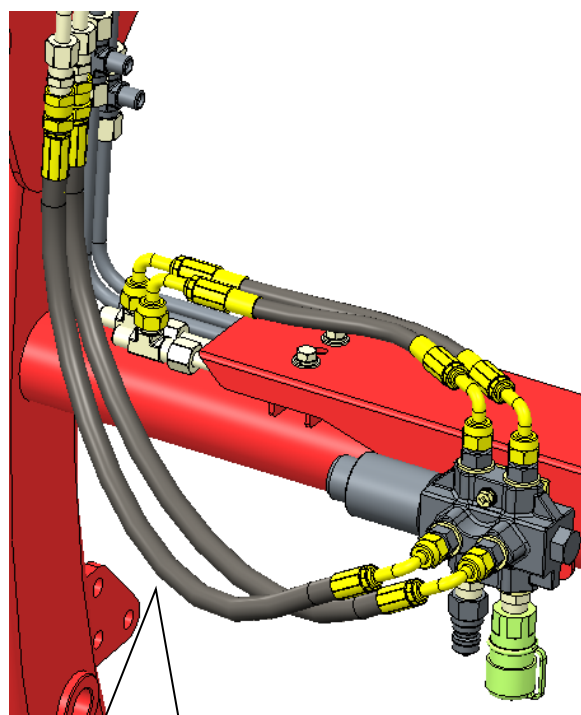
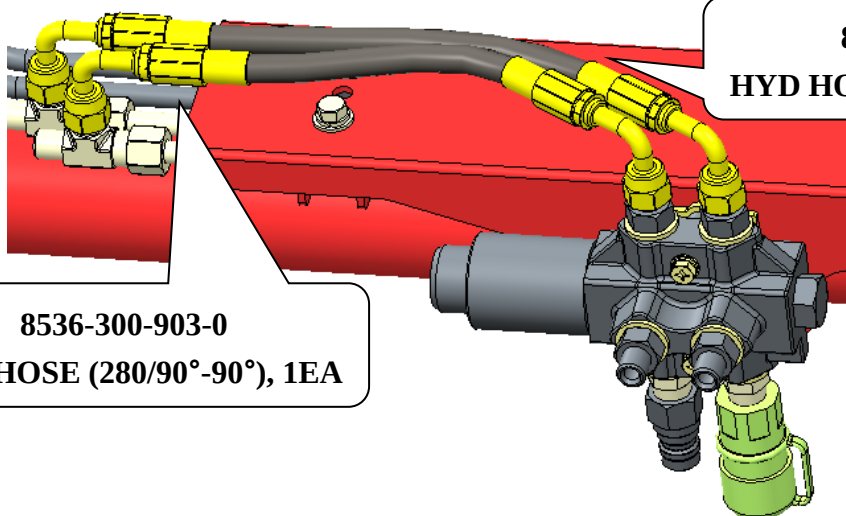


※ Assembly Bonded Seal (No 9. 590-300-505-0) before assembly Union.

4. Assembly of Diverter valve sub



5. Assembly of 3rd Function Hydraulic Hoses



3rd Function KIT

INSTALLATION

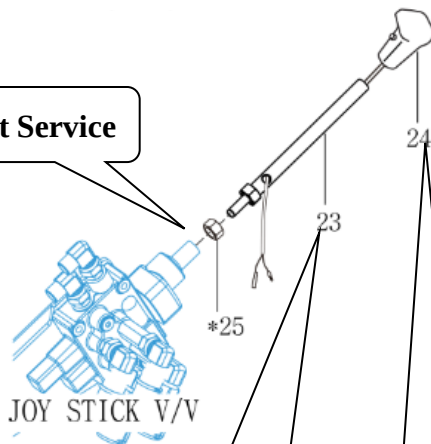
5. Assembly of 3rd Function Lever

Disassemble M10 Nut and
Remove Joystick Lever



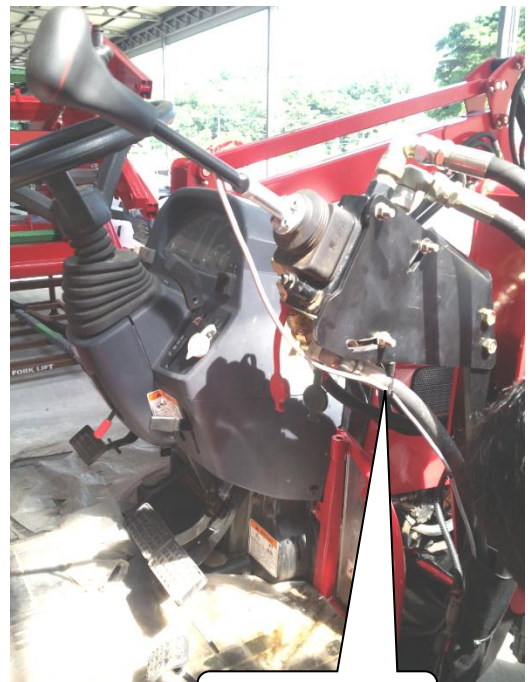
Lever (Joystick) SUB

Not Service



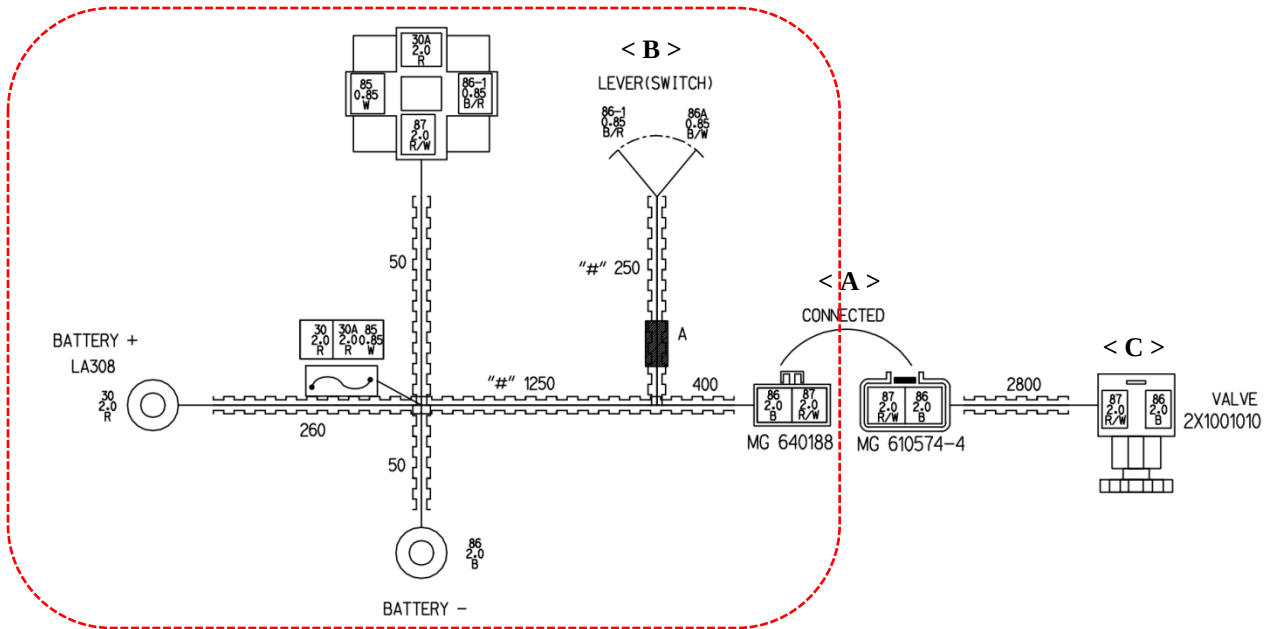
8460-300-950-0GB
Lever (Joystick)

4IMP500707
Grip(Joystick)



Harness route

6. Assembly of 3rd Function Harness



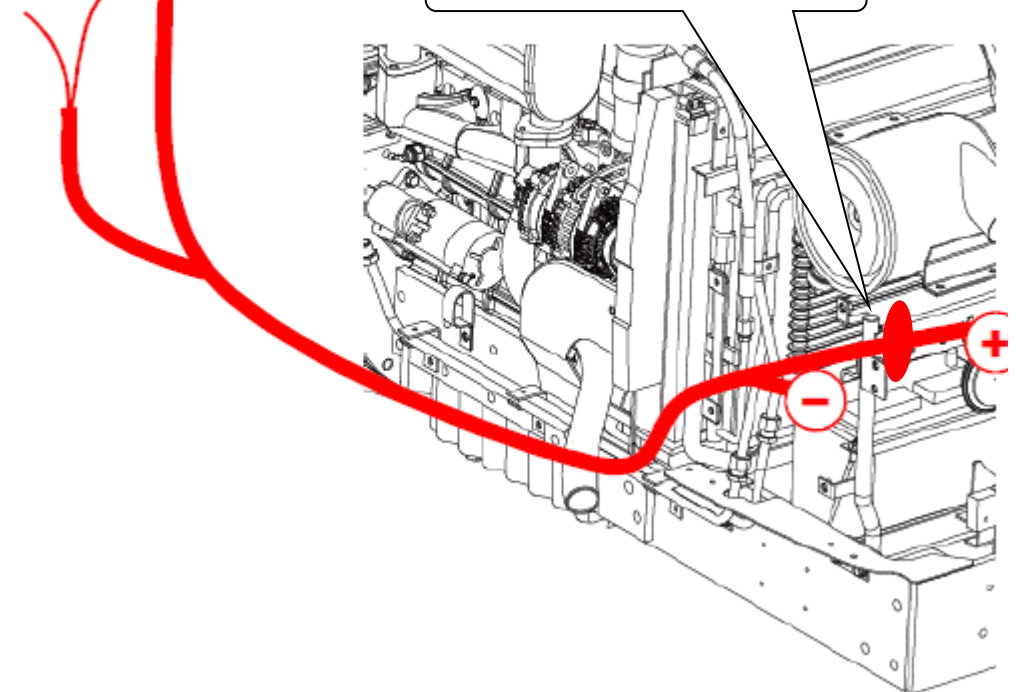
Connect with Harness of Joystick Lever

Link up with harness which has connected Loader Boom Assy

Should be 40A relay clasp

< B >

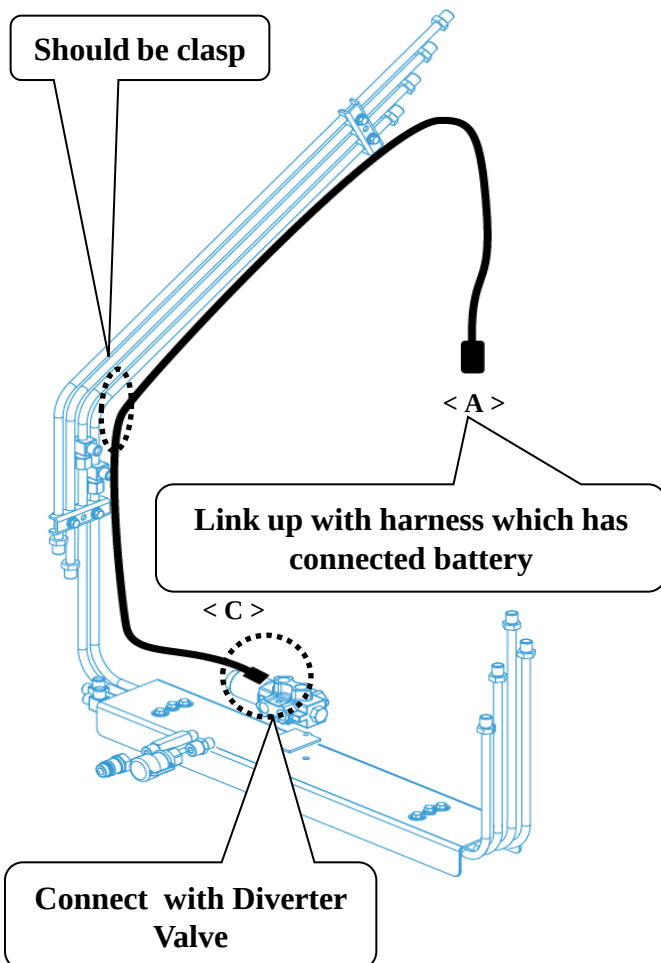
< A >



INSTALLATION

The diagram illustrates the electrical wiring for the 2X1001010 valve assembly. It includes the following components and connections:

- BATTERY + LA308:** Connected to the 30 2.0 R terminal.
- BATTERY -:** Connected to the 85 2.0 B terminal.
- Valve Assembly (2X1001010):**
 - Terminal 87 2.0 R/W is connected to the 86 2.0 B terminal via a 2800 ohm resistor.
 - Terminal 86 2.0 B is connected to the 87 2.0 R/W terminal.
- MG 640188:** A component with terminals 86 2.0 B and 87 2.0 R/W.
- MG 610574-4:** A component with terminals 87 2.0 R/W and 86 2.0 B.
- Connector A:** A central connector with terminals 86-1 0.85 B/R and 85A 0.85 B/W.
- Switch (LEVER(SWITCH)):** A lever switch connected to the 86-1 0.85 B/R terminal.
- Wiring Dimensions:**
 - 50 units for the vertical connections to the battery terminals.
 - 260 units for the horizontal connection from the battery + terminal.
 - 1250 units for the horizontal connection from the battery - terminal.
 - 250 units for the vertical connection to the lever switch.
 - 400 units for the horizontal connection to the MG 640188 component.



A close-up photograph of a hydraulic valve assembly. A blue hose is connected to a brass fitting. A black handle is visible, and a blue dashed circle highlights a specific component of the valve.