

PARTS & SERVICE NEWS

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Page 1 of 4

SUBJECT: IMPROVED HYDRAULIC PIPING

PURPOSE: Introduce to the field Hydraulic Piping Kit (XK0251)

APPLICATION: Komatsu Mechanical Drive Dump Trucks:
330M: 24120 - 24605; A10190 - A10223; A10225 - A10227, A10231, A10232
HD785-5LC: A10144; A10224; A10228 & UP

FAILURE CODE: 6AJ1HA

DESCRIPTION:

Some trucks in the field may experience shorter than expected life on the hydraulic pipe (561-61-63211) connecting the steering demand valve to the hoist control valve. A kit has been released to replace this pipe with a hose. Refer to Table 1 for a list of parts contained in Hydraulic Piping Kit (XK0251). This kit contains two reference drawings, one showing the rework of the hydraulic tank (561-60-A4210) and the other showing the routing of the new hose (561-61-A8101).

Installation Instructions

⚠ WARNING

Relieve pressure before disconnecting hydraulic and other lines. Tighten all connections before applying pressure.

Hydraulic fluid escaping under pressure can have sufficient force to enter a person's body by penetrating the skin and cause serious injury and possibly death if proper medical treatment by a physician familiar with this injury is not received immediately.

1. Be sure to relieve all hydraulic pressure in the hydraulic system before disconnecting any pipe or hose.
2. Remove tube (1, Figure 1) and all components (2-15, Figure 1) referenced in Figure 1.
3. Weld new seat (1, Figure 2) on hydraulic tank at location shown in Figure 2.
4. Install new components (1-19, Figure 3) from kit as shown in Figure 3. Be sure that hose (15) is routed so there is no interference with other parts that could rub a hole in the hose.
5. Attach transmission breather hose clip at new location.
6. Check hydraulic oil level in tank, add oil if necessary.
7. Start engine and check for any leaks. Repair if necessary.
8. Check hydraulic oil level in tank again, add oil if necessary.

TABLE 1. CONTENTS OF HYDRAULIC PIPING KIT (XK0251)		
Part Number	Description	Quantity
561-60-A4210	Drawing, Tank Rework	
561-61-A8101	Drawing, Hydraulic Piping	
561-61-A8121	Tube	1
07371-32076	Flange, Split	2
07372-21240	Bolt	12
01643-51232	Washer	12
07000-F2060	O-Ring	1
07042-20108	Plug	1
561-61-74230	Plate	1
01010-81230	Bolt	2
01643-31232	Washer	2
07283-26155	Clip	1
01597-01009	Nut	2
01643-31032	Washer	3
561-61-A8111	Hose	1
07371-31465	Flange, Split	4
07000-F3048	O-Ring	2
08036-01414	Clip	1
01010-81016	Bolt	1
01573-22307	Seat	1
561-61-A8150	Tube	1

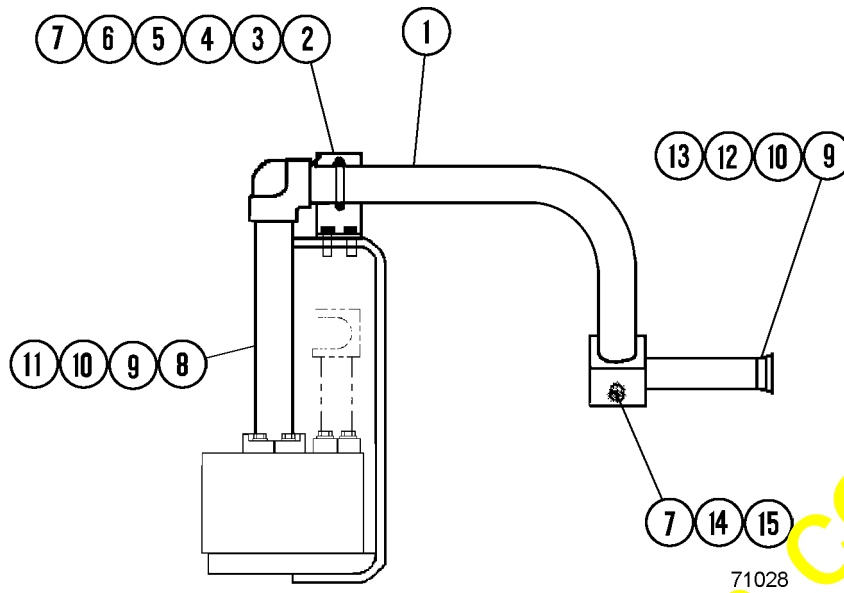


FIGURE 1. ORIGINAL PIPING

- | | | |
|-----------|------------------|-------------------|
| 1. Tube | 6. Nut | 11. O-Ring |
| 2. Plate | 7. Washer | 12. Flange, Split |
| 3. Bolt | 8. Flange, Split | 13. O-Ring |
| 4. Washer | 9. Bolt | 14. Clip |
| 5. Clip | 10. Washer | 15. Bolt |

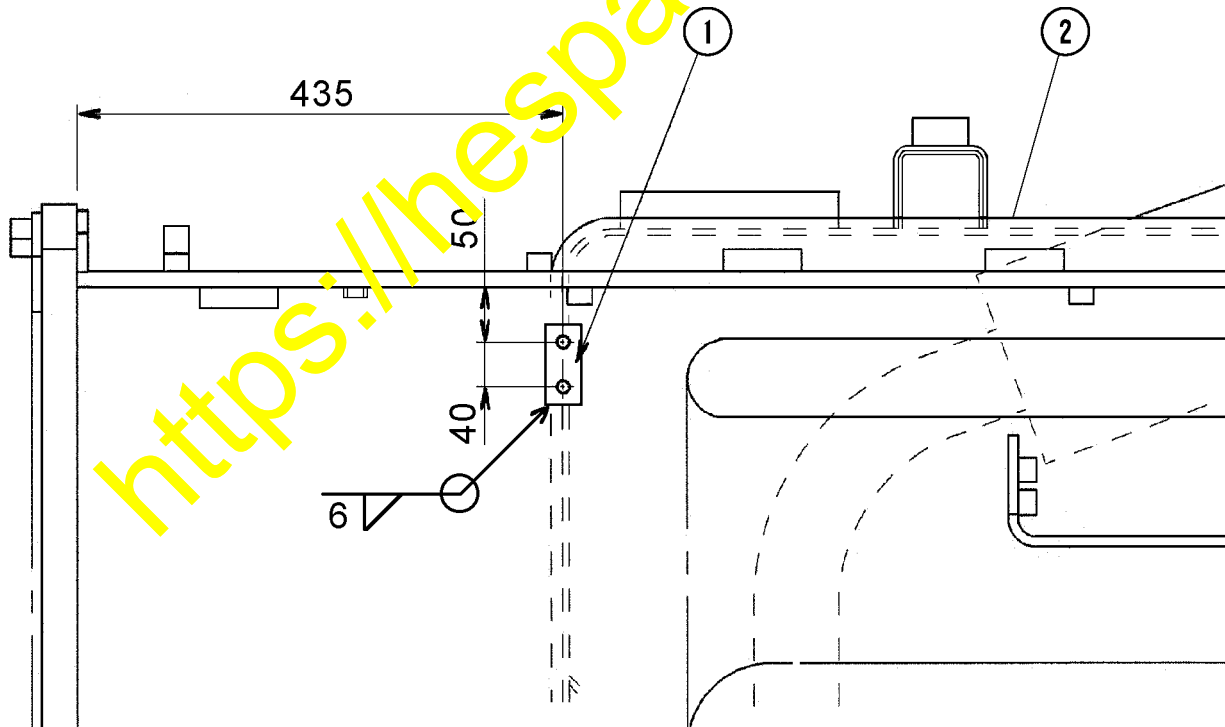


FIGURE 2. HYDRAULIC TANK REWORK

- | | |
|-----------------------|-------------------|
| 1. Seat (01573-22307) | 2. Hydraulic Tank |
|-----------------------|-------------------|

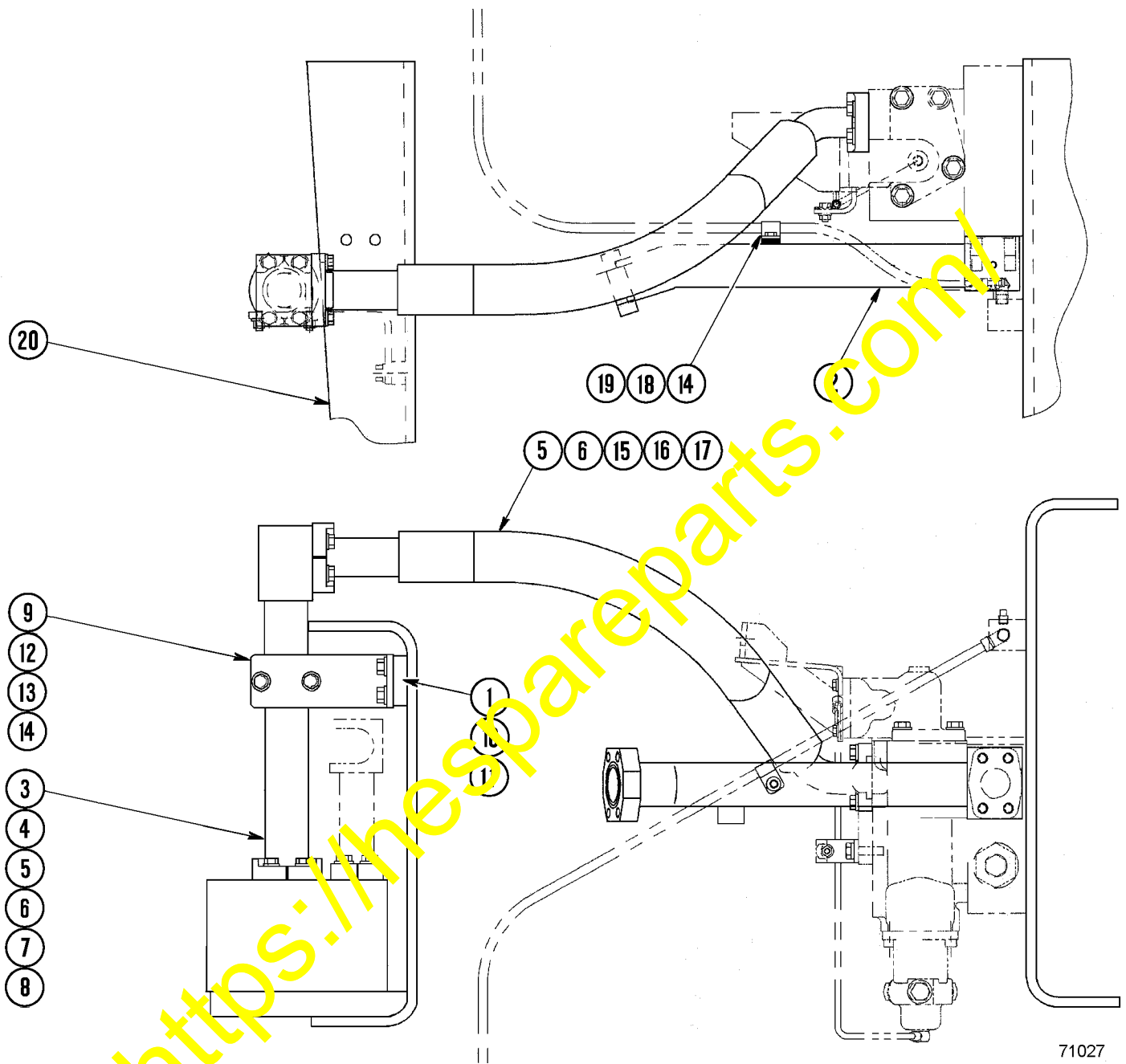


FIGURE 3. NEW PIPING INSTALLATION (KIT XK0251)

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|------------------------------|------------------------|-------------------------------|
| 1. Seat 01573-22307 | 8. Plug 07042-20108 | 15. Hose 561-61-A8111 |
| 2. Tube 561-61-A8150 | 9. Plate 561-61-74230 | 16. Flange, Split 07371-31465 |
| 3. Tube 561-61-A8121 | 10. Bolt 01010-81230 | 17. O-Ring 07000-F3048 |
| 4. Flange, Split 07371-32076 | 11. Washer 01643-31232 | 18. Clip 08036-01414 |
| 5. Bolt 07372-21240 | 12. Clip 07283-26155 | 19. Bolt 01010-81016 |
| 6. Washer 01643-51232 | 13. Nut 01597-01009 | 20. Tank |
| 7. O-Ring 07000-F2060 | 14. Washer 01643-31032 | |