821F
921F
Tier 4B (final)
Wheel Loader

SERVICE MANUAL

Part number 47673352

1st edition English

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CASE CONSTRUCTION

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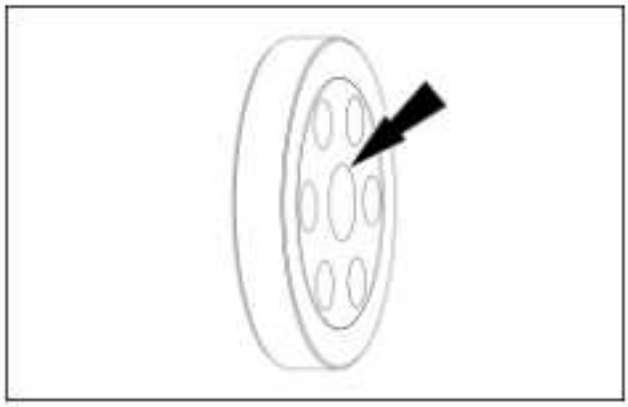
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16. Select the cover (optional) based on the following table.

NOTE: *Cover has an offset of* ***0.07 mm (0.003 in)*** *on one side and an offset of* ***0.13 mm (0.005 in)*** *on the other side.*

NOTE: *Offset of* ***0.13 mm (0.005 in)*** *is visually marked with an annular grove (arrow)!*



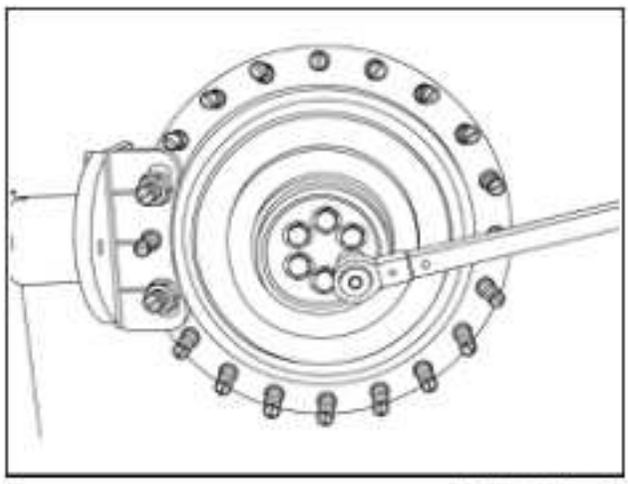
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Determined gap Width (Delta)	Offset to be used on the cover
0.30 - 0.24 mm (0.012 - 0.009 in)	**0.13 mm (0.005 in)**
0.239 - 0.18 mm (0.009 - 0.007 in)	**0.07 mm (0.003 in)**
0.179 - 0.10 mm (0.007 - 0.004 in)	**0.0 mm (0.000 in)**

17. Pivot output **90 °**. Insert the cover with the offset e.g. **0.07 mm (0.003 in)** showing towards the planetary carrier and tighten with new locking bolts.

NOTE: *When using the cover with offset of* ***0.07 mm (0.003 in)****, the groove (arrow step* ***16****) must be visible when the cover is installed.*

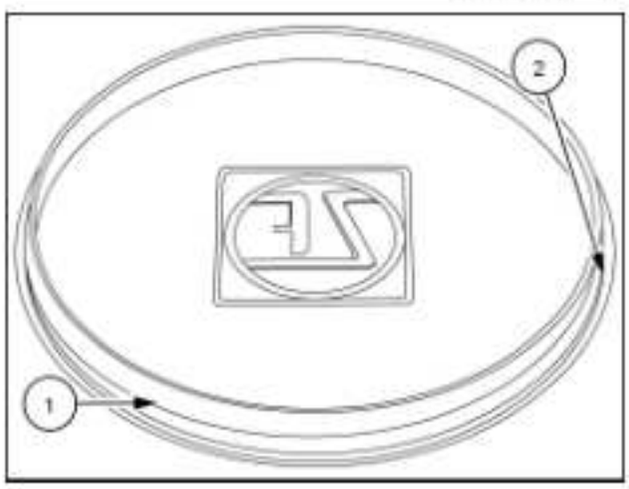
NOTE: *Tighten locking bolts successively to a torque of* ***200 N·m (148 lb ft)****. Then, retighten successively to a torque of* ***500 N·m (369 lb ft)****.*



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18. Install new O-ring (1) and cover. Wet contact face (2) with **TEROSTAT® MS-9360**.

NOTE: *Curing period for* ***TEROSTAT® MS-9360*** *is greater than 24-hours.*



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Harnesses and connectors - Electrical schematic frame 12 – HVAC, Air seat, Radio power/converter

Location	Component
2E	**12 V ISO** radio
4G	Cigar lighter (option)
7D	**DIA** diagnostic
2E	Fuse **ECA-15**: Mirror heat (**7.5 A**)
6G	Fuse **ECA-F16**: Seat compressor **ECA-F16** (option) (**15 A**)
4H	Fuse **ECA-F18**: Cigar lighter **24 V** (option) (**15 A**)
3H	Fuse **ECA-F20**: Power converter (option)
3G	Fuse **ECB-1**: Remote **12 V ECB-1** (**10 A**)
3F	Fuse **ECB-10**:Two way radio (option) (**15 A**)
3F	Fuse **ECB-2**: Remote **12 V ECB-2** (**10 A**)
4F	Fuse **ECB-9**: Radio **12 V** (option) (**10 A**)
8E	Fuse **ECC-9**: Diagnostic **ECC-9** (**10 A**)
11H	Fuse **ECF-2-6**: Spare **ECF-2-6** (**10 A**)
4E	Left speaker
4D	Mirror heat switch
2D	Mirror heater 30 watts 1
2C	Mirror heater 30 watts 2
1G	Power outlet 1 (option)
1G	Power outlet 2 (option)
4E	Right speaker
7G	Seat compressor motor (air seat option only)
7C	Telematics
4D	**Trly** timer relay

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9161-Hour Meter Failure - One Of Two Copies Are Wrong

Cause:

1. Instrument Cluster internal failure

Solution:

1. Verify that the fault code is still active, refer to **0000 - Retrieving fault codes, Wheel Loaders**.
   Prior to clearing fault codes write down all fault codes, number of occurrences, and engine hours at last occurrence.

   (1) Turn ignition switch to RUN position.

   (2) Clear all fault codes.

   (3) To check for fault code: Start and operate machine.

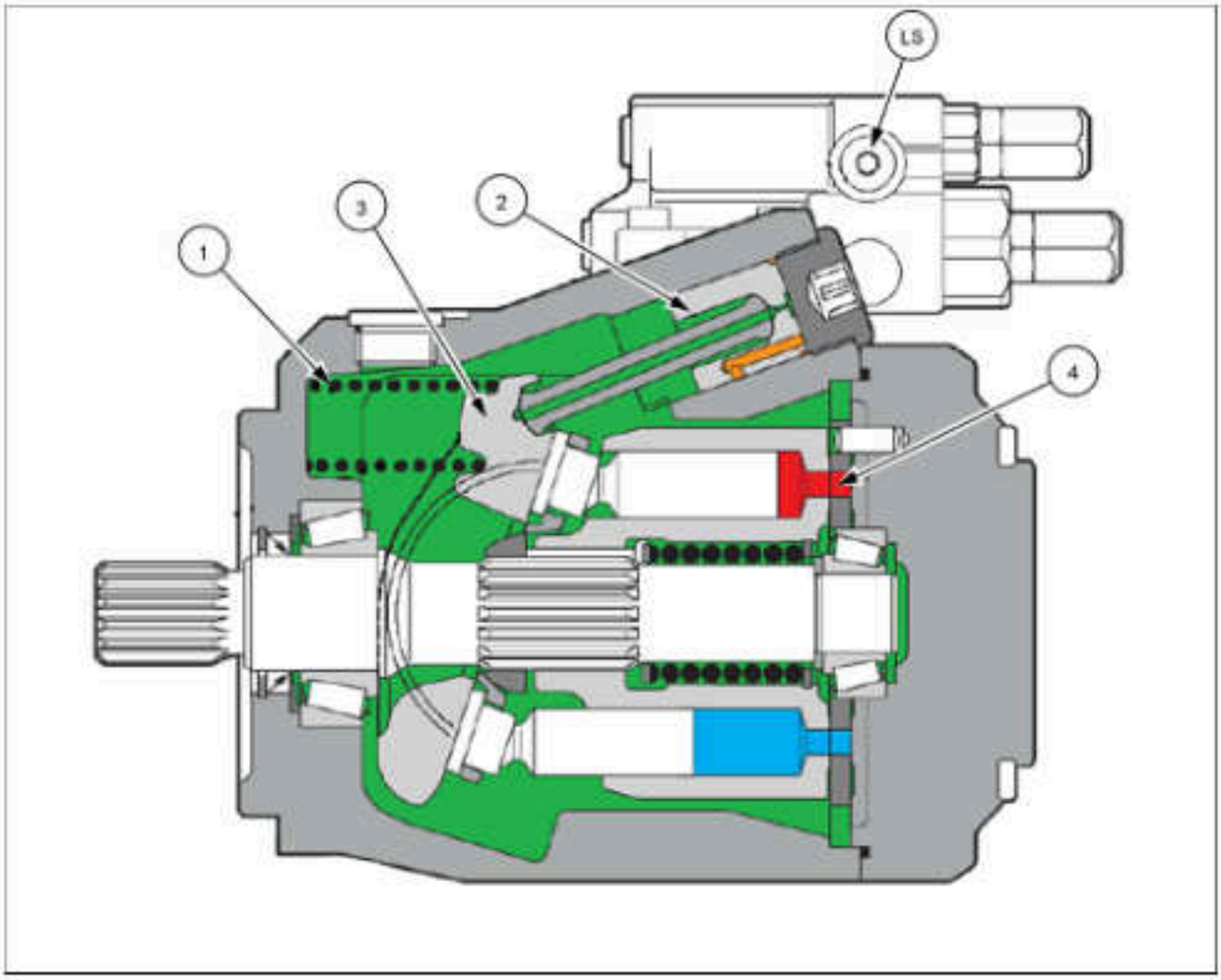
   A. Fault code 9161 is recorded again. Go to Step **2**.

   B. The fault is not recorded again. OK for return to service.
2. Replace the instrument cluster.

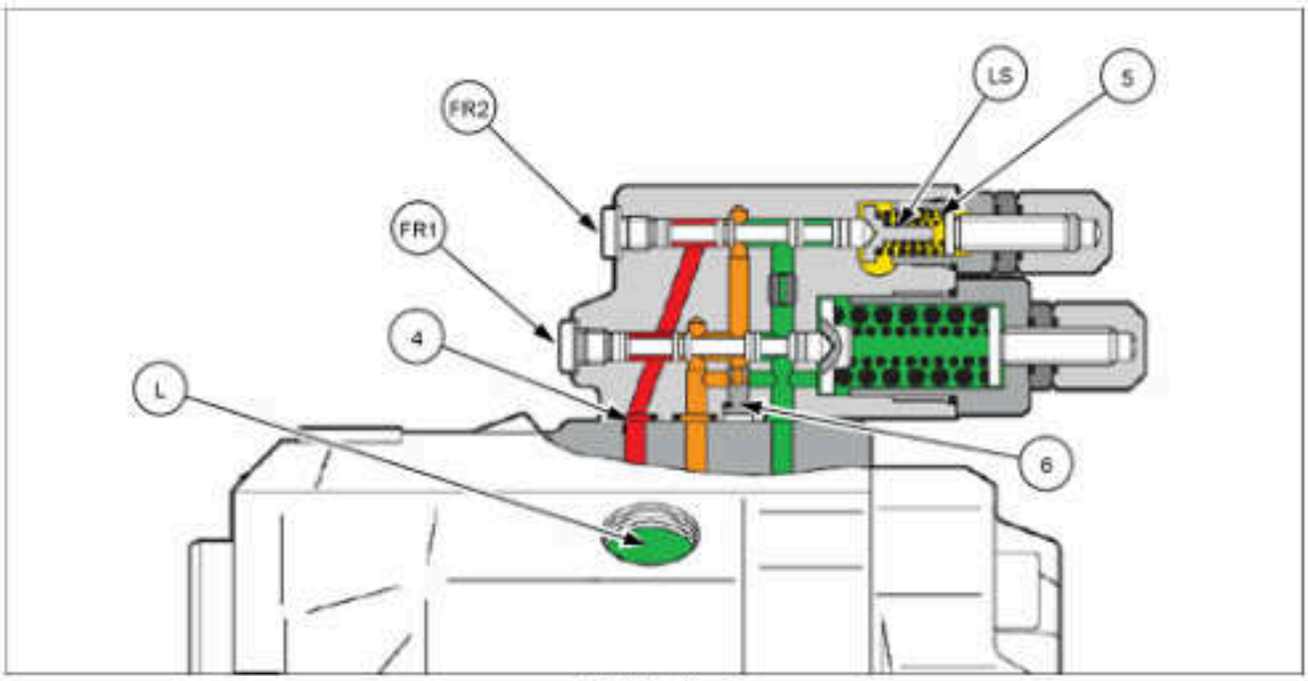
   (1). Remove and replace instrument cluster.

   A. Return to Step 1 to confirm elimination of fault.

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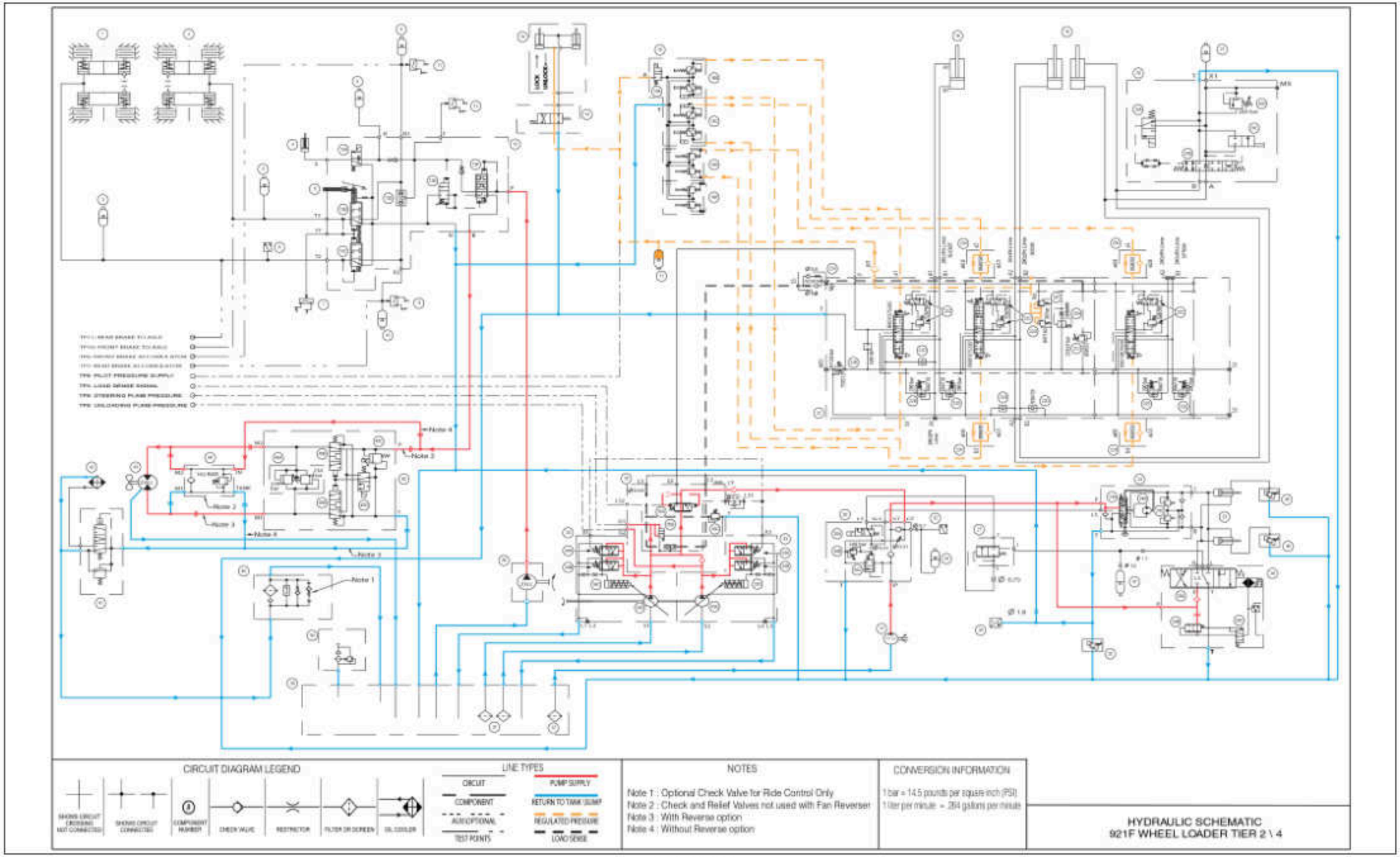


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