SERVICE MANUAL

W130C / W170C
Tier 4B (final)
Wheel Loader

Part number 47841828
English
February 2015

NEW HOLLAND CONSTRUCTION

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W130C / W170C TIER 4B (FINAL) WHEEL LOADER

SERVICE MANUAL COMPLETE CONTENTS

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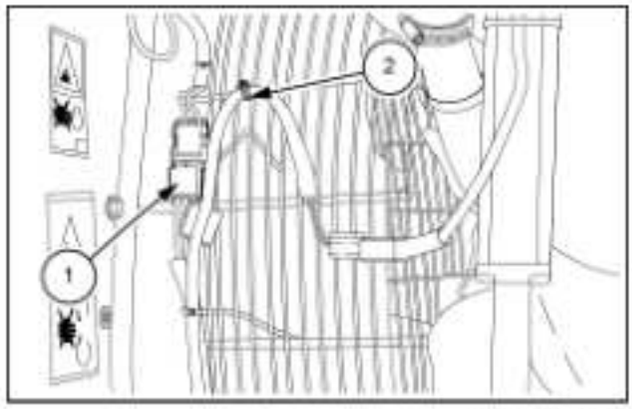
ENGINE SERVICE MANUAL (sold separately) **47606112**

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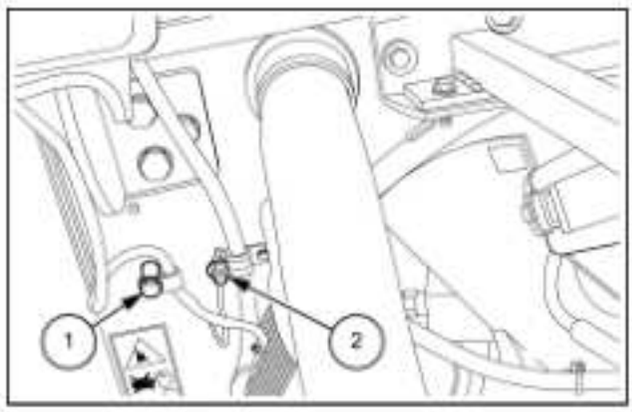
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66. Reconnect the hood wiring harness to the rear chassis wiring harness connector. Remove tags.
Fix the hood wire harness with clamp **(2)** to the fan shroud.



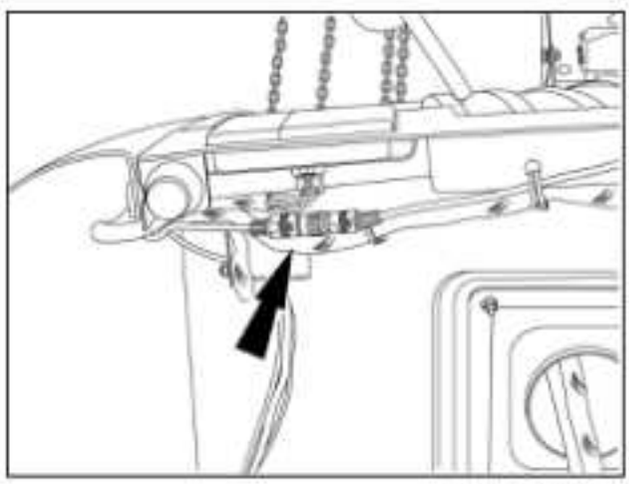
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67. Attach hood ground wire **(2)** to the cooler housing. Then remove marking tags.
Fix the hood ground wire with clamp **(1)** to the cooler housing.



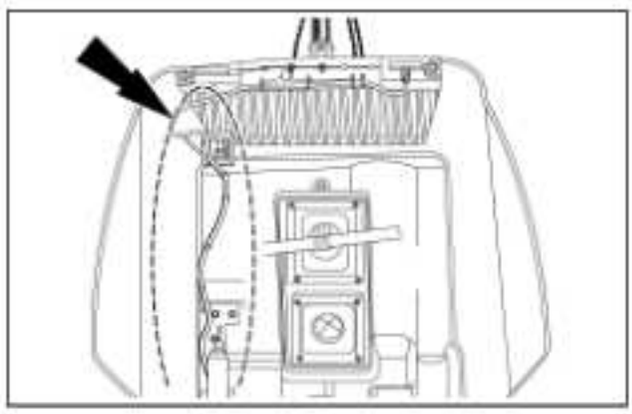
68

68. Reconnect the wire harness of the rear-view camera (if machine is equipped with a rear-view camera).
Reconnect the wire harness connector of the rear lights and remove the marking tags.



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69. Reattach the rear-view camera wire harness to the hood (if machine is equipped with a rear-view camera).



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Wheel hub - Install - Models MT-L 3065 II / 3075 II

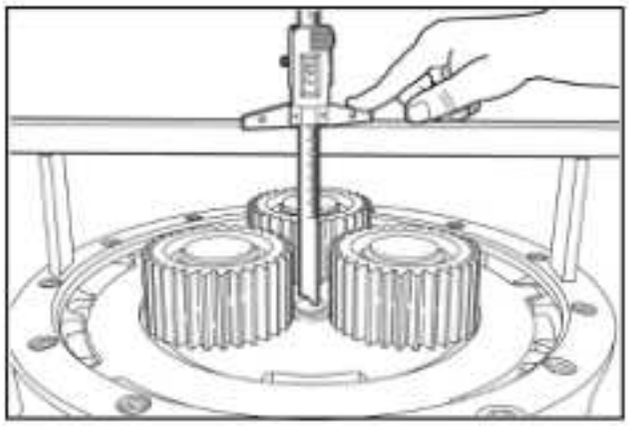
W130C	NA

⚠CAUTION

Burn hazard!
Always wear heat-resistant protective gloves when handling heated parts.
Failure to comply could result in minor or moderate injury.

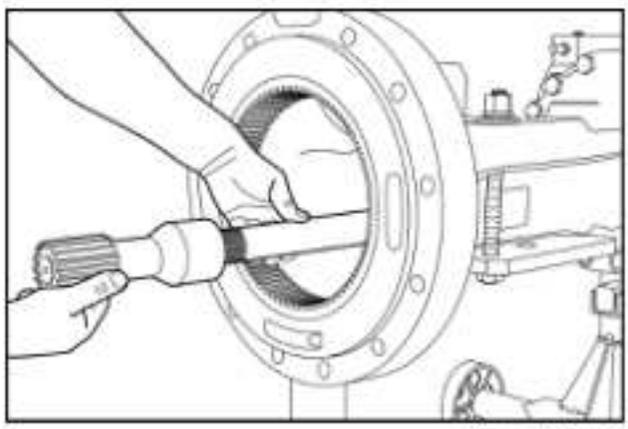
D0047A

1. Set the sun gear shaft axial play range to **0.5 - 2.0 mm** (**0.020 - 0.079 in**). Use a straight edge to determine dimension I from the mounting face of the brake housing to the front face of the stop bolt. Dimension I example **21.25 mm** (**0.837 in**).



RAIL11WELO057BA 1

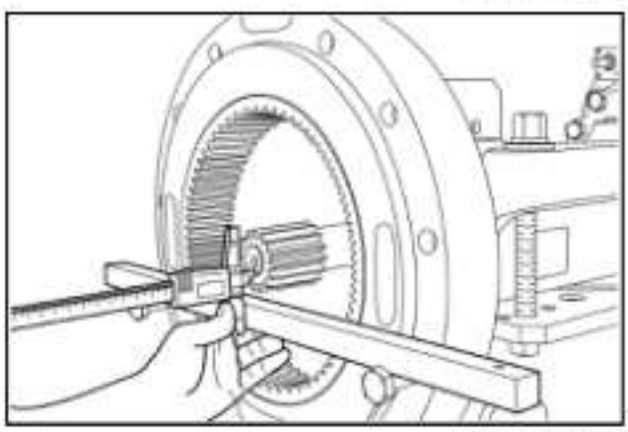
2. Insert the stub shaft with sun gear into the teeth of the axle bevel gear until it stops.



RAIL11WELO058BA 2

3. Using a straight edge, measure dimension II from the front face of the sun gear shaft to the mounting surface of the axle housing. Dimension II example **19.00 mm** (**0.748 in**).

NOTE: *calculation example: Dimension I* ***21.25 mm*** *(**0.837 in**) minus Dimension II* ***19.00 mm*** *(**0.748 in**) equals a difference of* ***2.25 mm*** *(**0.089 in**) minus the required axial play example of* ***1.25 mm*** *(**0.049 in**) which leaves a difference or required shim size of* ***1.00 mm*** *(**0.039 in**).*



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9160-Hour Meter Failure - Both Copies Are Wrong

W170C	NA

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.

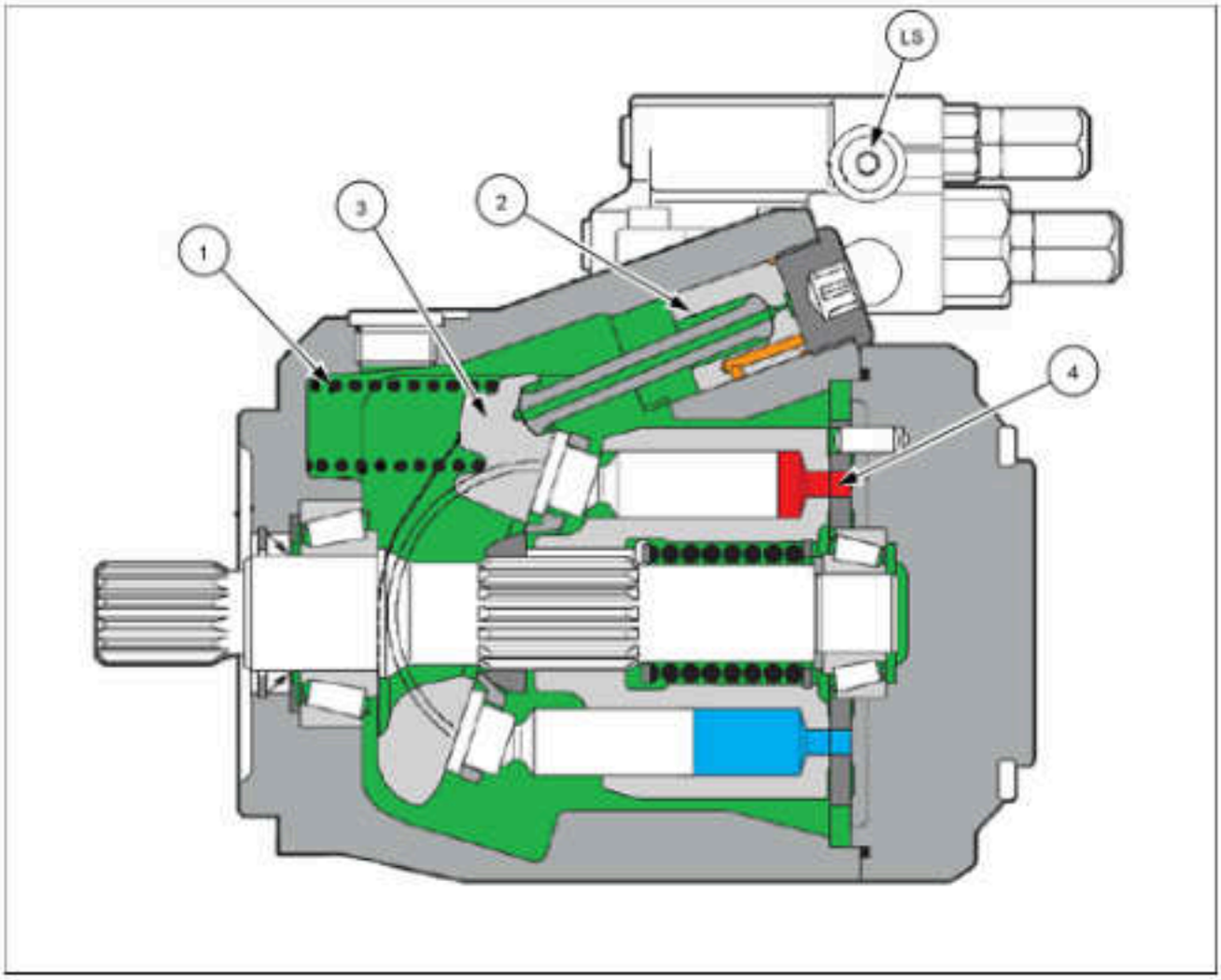
   A. Fault code 9160 is recorded again. Go to Step **2**.

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

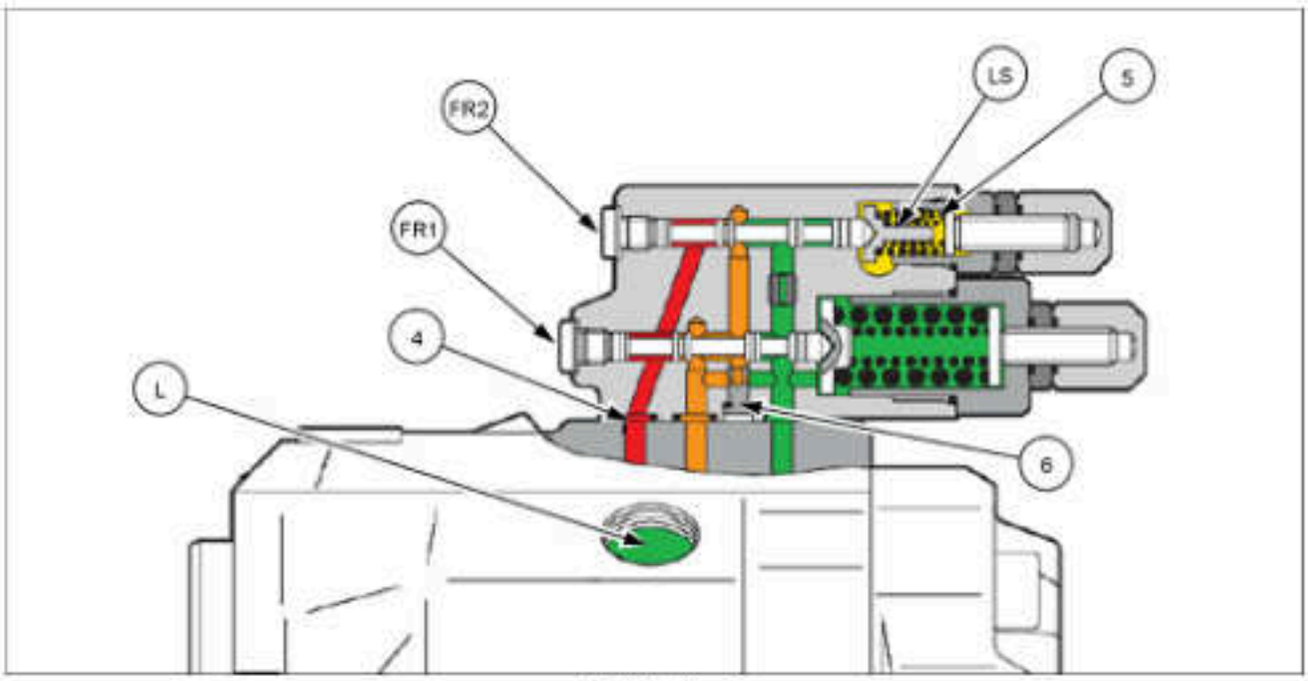
   (1). Remove and replace instrument cluster.

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

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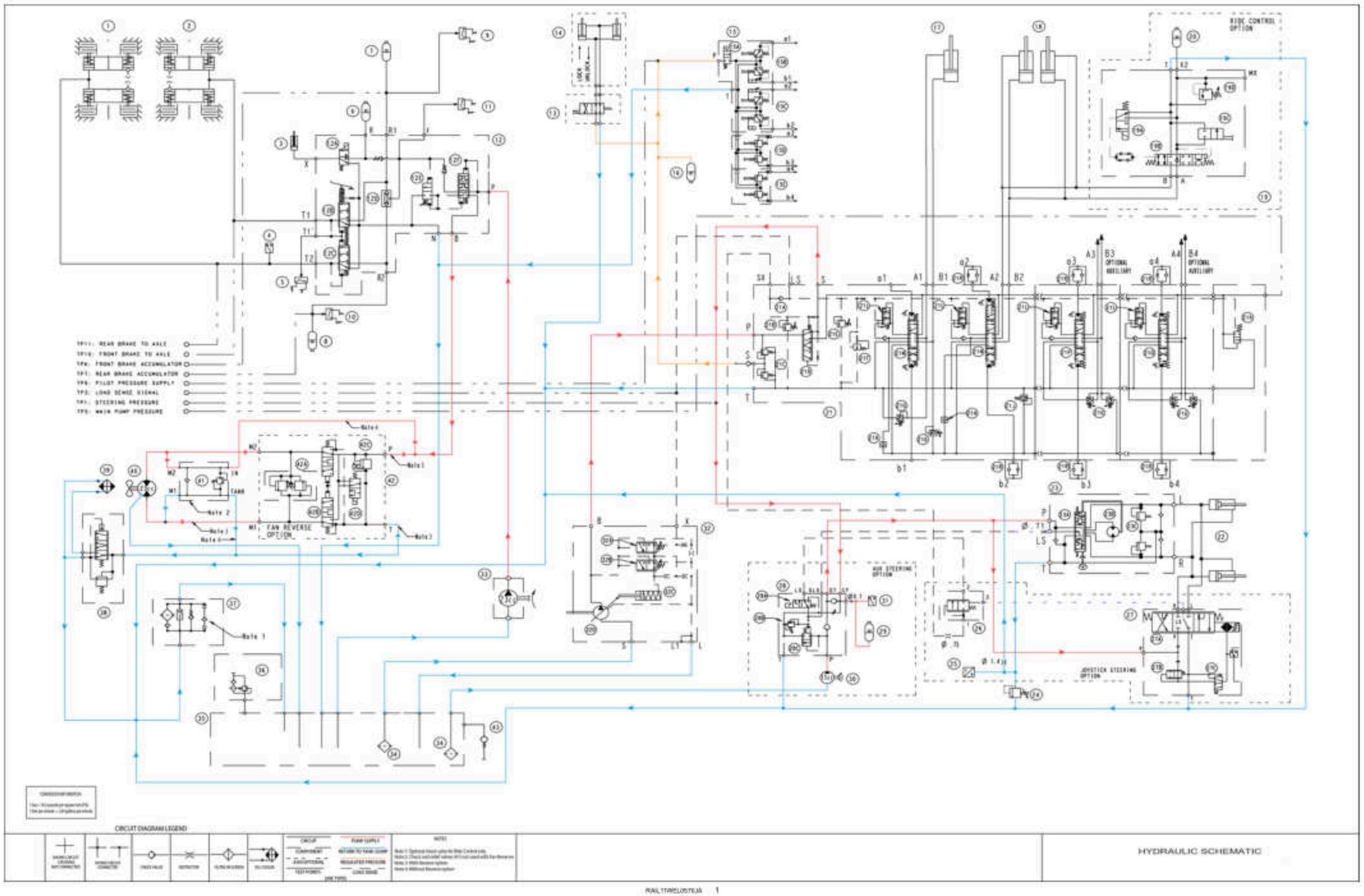


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RDPH11WHLE68PAN 5

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