WHEEL LOADER

SERVICE MANUAL

HL740-9SB

HYUNDAI

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⑨ Press end shim on with about 10kg and measure Dimension I from the end face/ plate carrier to the end shim.

Dimension I e.g. 7.20 mm

※ Special tool

Digital-Depth gauge 5870 200 072



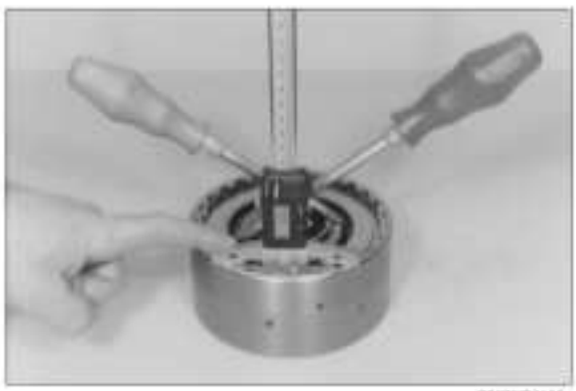
73073TM162

⑩ Press end shim against snap ring (Upward) until contact is obtained and determine Dimension II.

Dimension II e.g. 6.00 mm

※ Special tool

Digital-Depth gauge 5870 200 072



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EXAMPLE

Dimension I e.g.	7.20 mm
Dimension II e.g.	- 6.00 mm
Difference = Plate clearance	=1.20 mm

※ In case of deviations from the required plate clearance, correct by means of corresponding snap ring (S = 2.1~4.2 mm).

⑪ Introduce idler gear until all inner plates are accommodated.

※ This step makes the later assembling of the idler gear easier.

Now, remove idler gear again.



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ADJUSTMENT

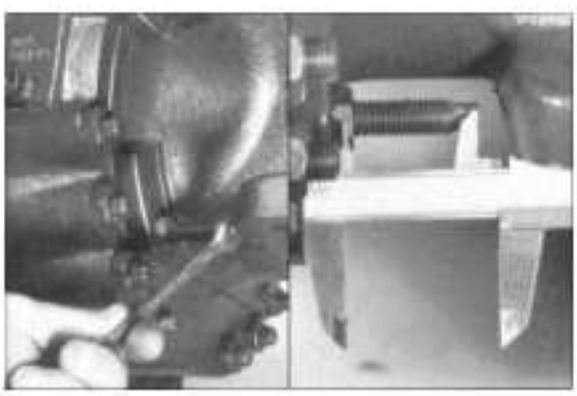
(1) Introduce pressure in the hydraulic circuit with 25~35 bar.
Remove bolt and locking plate.

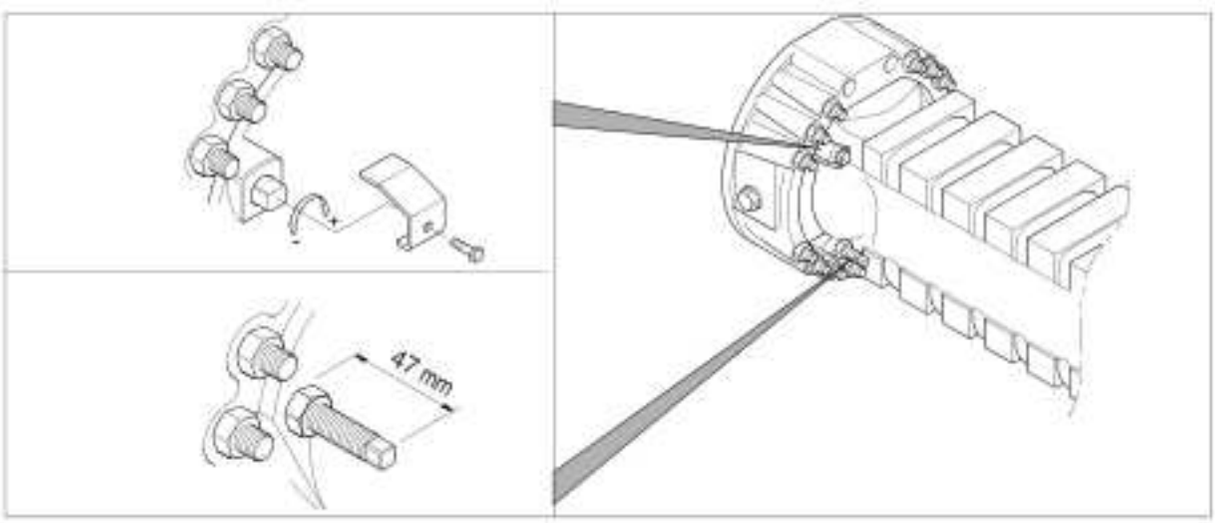


(2) Turn the pinion with 0.82 kgf·m (5.9 lbf·ft) torque counterclockwise till it stops. Adjust the gap between the brake discs by turning 3 complete revolutions clockwise.



(3) Adjust the bolts to unlock the safety brake at 47 mm and lock the counter nut.





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GROUP 2 OPERATIONAL CHECKS AND TROUBLESHOOTING

1. OPERATIONAL CHECKS

This procedure is designed so the mechanic can make a quick check of the system using a minimum amount of diagnostic equipment. If you need additional information, read structure and function, Group 1.
A location will be required which is level and has adequate space to complete the checks.

The engine and all other major components must be at operating temperature for some checks.

Locate system check in the left column and read completely, following the sequence from left to right. Read each check completely before performing.

At the end of each check, if no problem is found (OK), that check is complete or an additional check is needed. If problem is indicated (NOT OK), you will be given repair required and group location.
If verification is needed, you will be given next best source of information:

- Chapter 2 : Troubleshooting
- Group 3 : Tests and adjustments

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(9) Assemble drive gear set.
Spread hydraulic fluid around gear set.



(10) Assemble thrust plate.
Rotate the shaft gear and check status of gear set.
Assemble dowel pins and connector shaft.



(11) Assemble the rear cover.
Check the contact status of square seal.



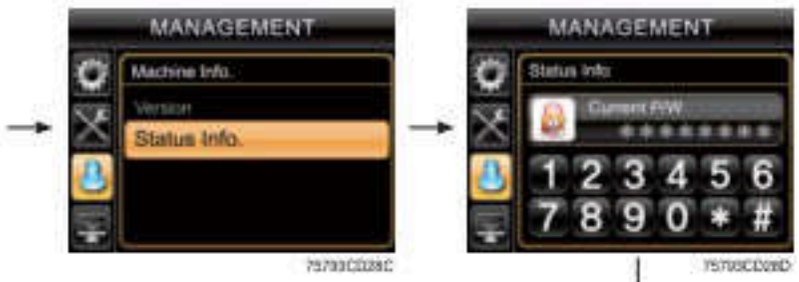
(12) Assemble stud bolt and washer.
※ Washer : smooth - convex side up
※ Keep bolts in dry condition after washing.



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③ Machine information







- Version
  - Software versions of MCU, cluster and monitor can be checked.
- Status info
  - The machine status can be checked.

④ Service contact



- The phone number of the service man can be checked and changed.

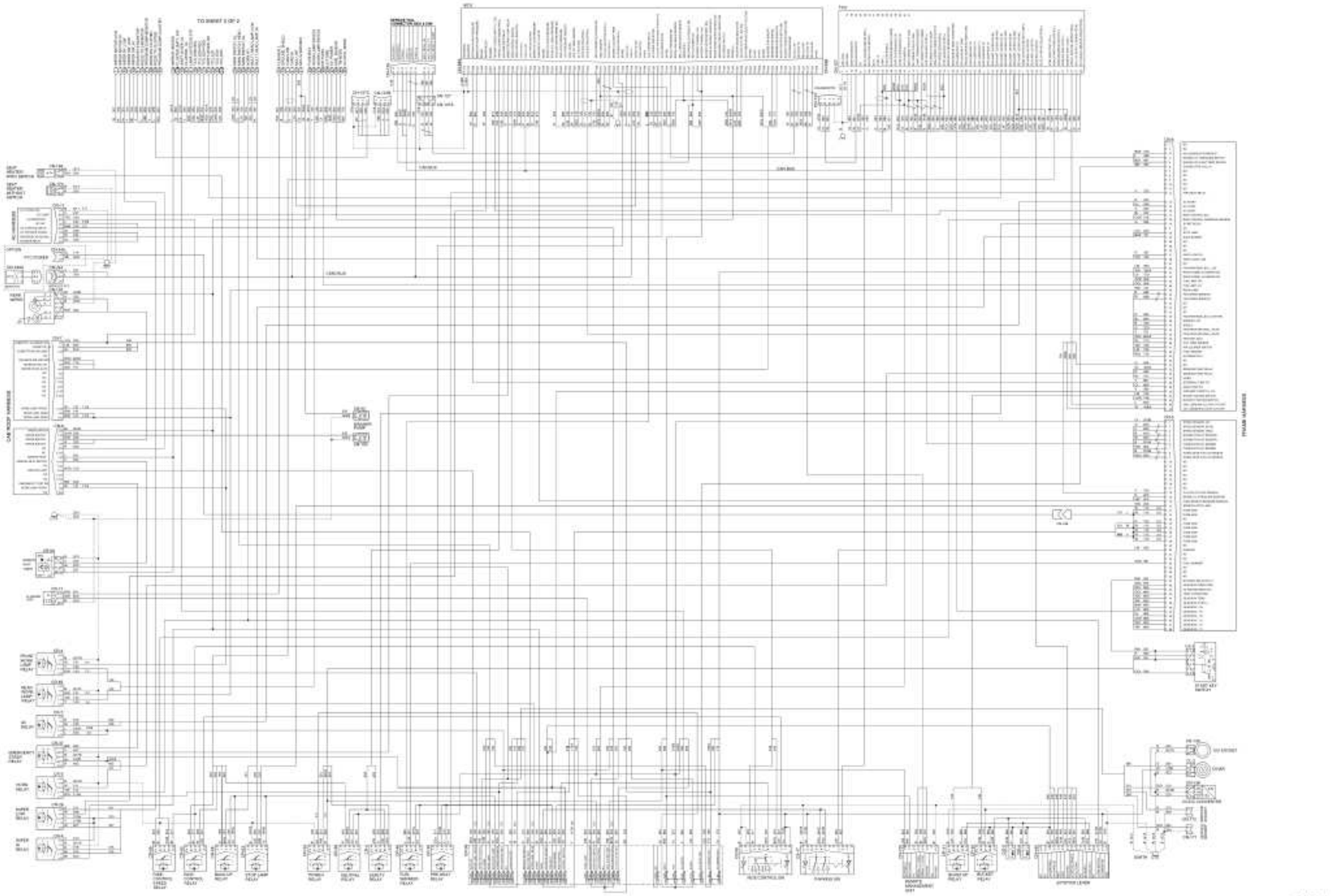
⑤ Service menu



- The software of monitor can be downloaded.

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· ELECTRICAL CIRCUIT (1/2)



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