WHEEL LOADER

SERVICE MANUAL

HL775-9S

HYUNDAI

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⑨ Mount outer and inner disks in alternating order, starting with an inner disk.

The installation clearance of the internal parts is corrected by mounting outer disks with different thicknesses.

⚠ **The difference in thickness between the left and the right disk package must only be 0.1 mm at maximum.**



Determine the installation clearance 0.2~0.7 mm

⑩ Measure dimension I, from the mounting face of the differential housing to the plane face of the outer disk.

Dimension I e.g. ..... 44.30 mm



⑪ Measure dimension II, from the contact face of the outer disk to the mounting face on the housing cover.

Dimension II e.g. ..... 43.95 mm

CALCULATION EXAMPLE :

Dimension I ..... 44.30 mm
Dimension II ..... - 43.95 mm
Difference = disk clearance = 0.35 mm



- Any deviation from the required installation clearance is to be corrected with corresponding outer disks (s = 2.7, s = 2.9, s = 3.0, s = 3.1, s = 3.2, s = 3.3 or s = 3.5 mm), taking care that the difference in thickness between the left and the right disk package must only be 0.1 mm at maximum.

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2. TROUBLESHOOTING

※ Diagnose malfunction charts are arranged from most probable and simplest to verify, to least likely, more difficult to verify. Remember the following steps when troubleshooting a problem :

Step 1. Operational check out procedure (see section 1)
Step 2. Operational checks (see group 2)
Step 3. Troubleshooting
Step 4. Tests and adjustments (see group 3)

Problem	Cause	Remedy
Noisy hydraulic pump	Low oil supply or wrong viscosity.	Fill reservoir with recommended oil.
	Plugged or pinched suction line.	Clean or replace line.
	Air in oil.	Check for foamy oil. Tighten connections. Replace O-rings and or lines.
	Plugged suction strainer.	Inspect and clean strainer in reservoir.
	Loose or missing hydraulic line clamps.	Tighten or replace clamps.
	Hydraulic lines in contract with frame.	Inspect and repair.
	Worn or damaged pump.	Do hydraulic pump performance check in group 2. Do hydraulic pump flow test in group 3.
No or Slow hydraulic functions	Failed or worn hydraulic pump.	Do performance check.
	Cold oil.	Warm oil up.
	Slow engine speed.	Adjust engine speed. Check high idle speed.
	Suction line air leak.	Check for foamy oil.
	Low oil supply.	Add recommended oil.
	Wrong oil viscosity.	Use recommended oil.
	Oil leaking past cylinders or control valve.	Check cylinder drift in group 2.
	Blocked or damaged line.	Inspect lines.
	Faulty pilot control valve (RCV).	Do pilot control valve (RCV) pressure test in group 3.
	Binding loader control valve (MCV) spool.	Inspect valve.
	Faulty flow amplifier.	Check priority valve, orifice of flow amplifier specification.

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1. CONNECTOR DESTINATION

Connector number	Type	No. of pin	Destination	Connector part No.	
				Female	Male
CN-5	DEUTSCH	48	I/conn (Frame harness-Main harness)	DRB16-48SAE-L018	DRB12-48PAE-L018
CN-6	DEUTSCH	60	I/conn (Frame harness-Main harness)	DRB16-60SAE-L018	DRB12-60PAE-L018
CN-7	AMP	15	I/conn (Main harness-Cab harness)	2-85262-1	368301-1
CN-9	AMP	12	I/conn (Cab harness-Main harness)	2-85262-1	368301-1
CN-10	DEUTSCH	24	I/conn (Frame harness-Front harness)	HD34-24-23PE	HD36-24-23SE
CN-11	DEUTSCH	8	I/conn (Main harness-Aircon harness)	DT06-8S	DT04-8P
CN-12	AMP	15	I/conn (Frame harness-Bottom harness)	2-85262-1	368301-1
CN-13	DEUTSCH	12	I/conn (Frame harness-Engine harness)	DT06-12S	DT04-12P
CN-14	DEUTSCH	12	I/conn (Frame harness-Grill harness)	DT06-12S	DT04-12P
CN-19	Econoseal J	6	I/conn (Emer steer harness-Front harness)	S816-006002	S816-106602
CN-20	MOLEX	2	Horn	36825-0211	-
CN-21	AMP	6	Front wiper motor	936257-1	-
CN-22	KET	2	Front washer tank	MG640605	-
CN-23	KET	2	Speaker (LH)	7123-1520	-
CN-24	KET	2	Speaker (RH)	7123-1520	-
CN-25	MOLEX	2	Horn	36825-0211	-
CN-26	250	2	Warning buzzer	S810-002202	-
CN-27	MK II	16	Radio and USB player	PK145-16017	-
CN-27A	MK II	8	USB connector	174984-2	-
CN-27B	-	10	USB port	316988-6	-
CN-28	NMWP	1	Aircon compressor	PB625-01027	-
CN-29	KET	2	Receiver drier	MG640795	-
CN-36	-	-	Fuse & relay box	21Q7-10910	-
CN-45	Ring term	-	Starter	R14-12	ST 710348-2
CN-50	PACKARD	2	Fuel warmer	1530-0027	1530-0002
CN-56	TYCO	20	Cluster	174047-2	-
CN-57	AMP	20	Monitor	174047-2	-
CN-58A	DEUTSCH	40	MCU	DRC26-40-SA	-
CN-58B	DEUTSCH	40	MCU	DRC26-40-SB	-
CN-60	MTA	-	Fusible link	07.00910	03.210000
CN-65	DEUTSCH	2	Back up buzzer	DT06-2S	-
CN-71	DEUTSCH	2	Parking solenoid	DT06-2S-EP06	-

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(14) Assembled nut (31).

- Tool : spanner 19 mm
- Tightening torque (M12) :
  40 ± 4 kgf · cm (28 ± 28.9 lbf · ft)



7607BRCV01

(15) Assemble the boots (32).

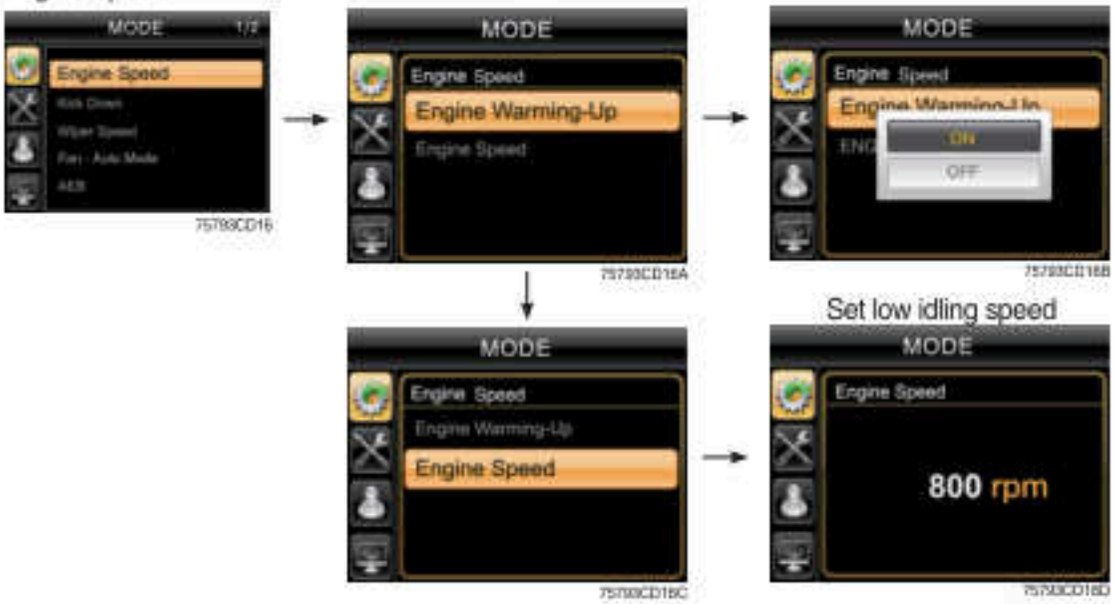


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(2) Mode

① Engine speed



② Kick down



- Mode 1 (down/up) : Press kick down button once, shift down and press button again, shift up.
- Mode 2 (down only) : Press kick down button every time, shift to lower gear respectively.

※ Refer to page 7-47.

③ Wiper speed



- Setting wipe speed 1 to 4.

④ Fan-auto mode

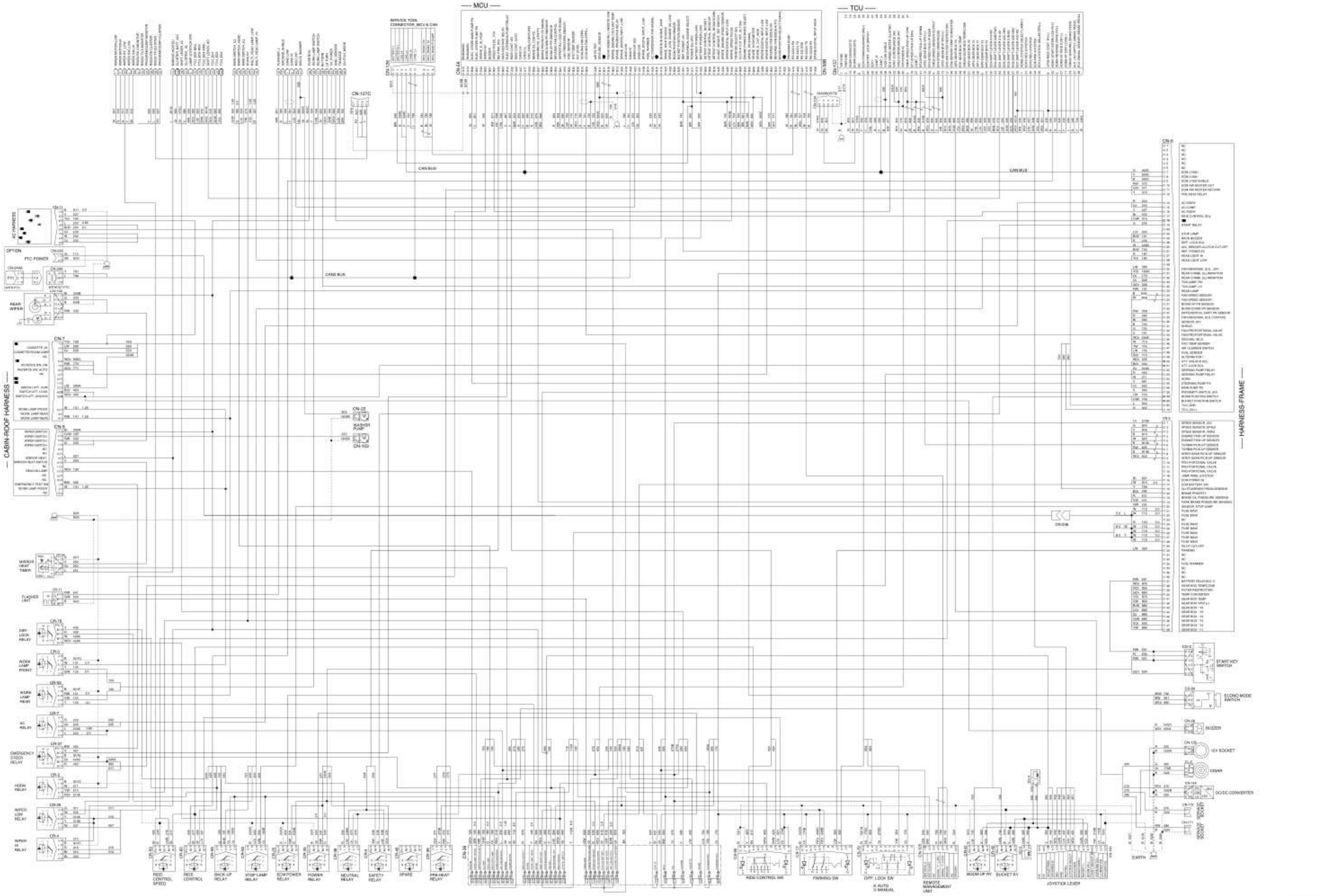


- Select reverse interval or reverse time.
- Set reverse interval (30~300 min) or reverse time (30~300 sec).

※ Default : Interval (60 min), time (120 sec)

※ Refer to page 7-44, fan control switch.

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