FORKLIFT

SERVICE MANUAL

HDF20, HDF25, HDF30-5

HYUNDAI

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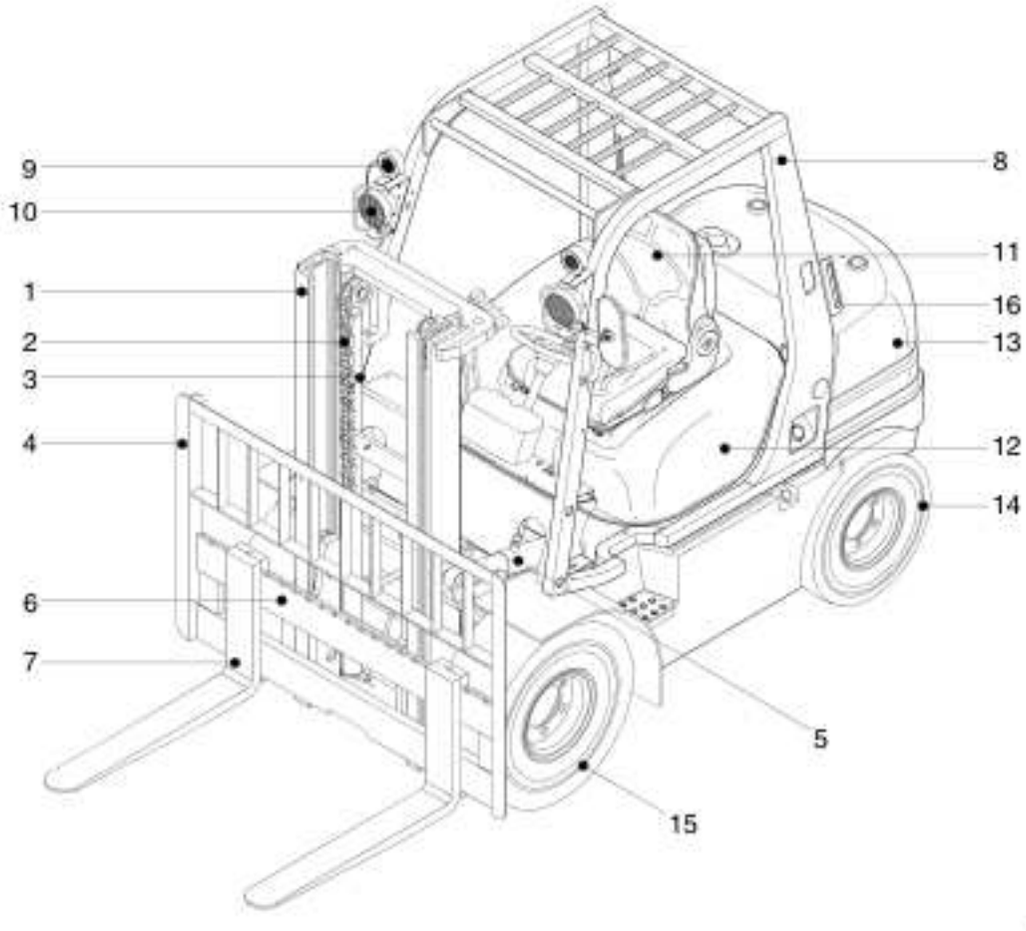
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GROUP 2 SPECIFICATIONS

1. GENERAL LOCATIONS



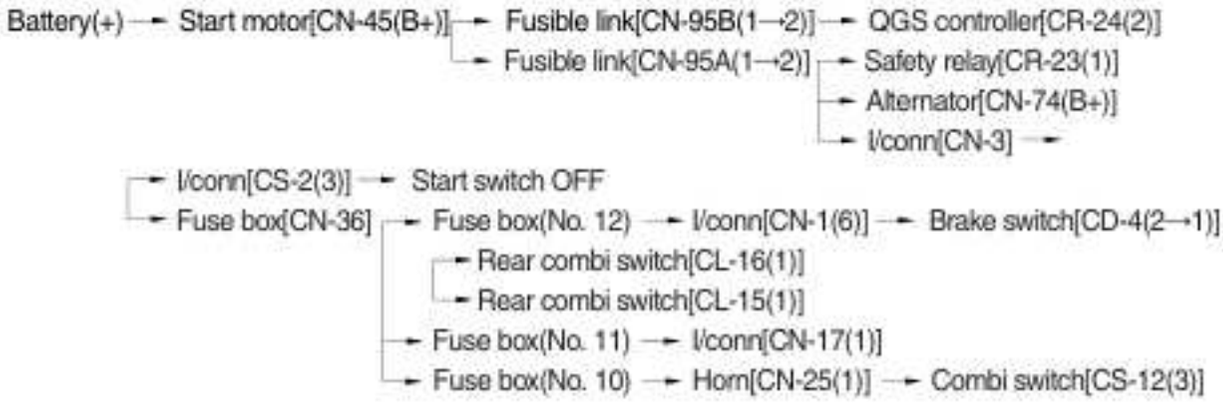
1	Mast	7	Forks	12	Bonnet
2	Lift chain	8	Overhead guard	13	Counterweight
3	Lift cylinder	9	Turn signal lamp	14	Rear wheel
4	Backrest	10	Head lamp	15	Front wheel
5	Tilt cylinder	11	Operator's seat	16	Rear combination lamp
6	Carriage				

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1. POWER CIRCUIT

The negative terminal of the battery is grounded to the machine chassis.
When the start switch is in the off position, the current flows from the positive battery terminal.

1) OPERATING FLOW



2) CHECK POINT

Engine	Key switch	Check point	Voltage
OFF	OFF	① - GND (Battery(+)) ② - GND (Fusible link) ③ - GND (Fuse No.12) ④ - GND (Start key)	10 – 13V

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Trouble symptom	Probable cause	Remedy
Lamps dimming even at maximum engine speed.	· Faulty wiring.	· Check for loose terminal and disconnected wire.
Lamps flicker during engine operation.	· Improper belt tension.	· Adjust belt tension.
Charge lamp does not light during normal engine operation.	· Charge lamp defective. · Faulty wiring.	· Replace. · Check and repair.
Alternator makes abnormal sounds.	· Alternator defective.	· Replace
Starting motor fails to run.	· Faulty wiring. · Insufficient battery voltage.	· Check and repair. · Recharge battery.
Starting motor pinion repeats going in and out.	· Insufficient battery voltage.	· Recharge battery.
Excessively low starting motor speed.	· Insufficient battery voltage. · Starting motor defective.	· Recharge battery. · Replace
Starting motor comes to a stop before engine starts up.	· Faulty wiring. · Insufficient battery voltage.	· Check and repair. · Recharge battery.
Heater signal does not become red.	· Faulty wiring. · Glow plug damaged.	· Check and repair. · Replace
Engine oil pressure caution lamp does not light when enigne is stopped (with starting switch left in"ON" position).	· Caution lamp defective. · Caution lamp switch defective.	· Replace · Replace

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(17) Using a jig, vise a spool assembly.
Assemble in the order of O-ring, dust wiper, seal plate, spring seat, and plug of each spool.
· Tightening torque : 2.0kgf · m(14.5lbf · ft)


D250CV19

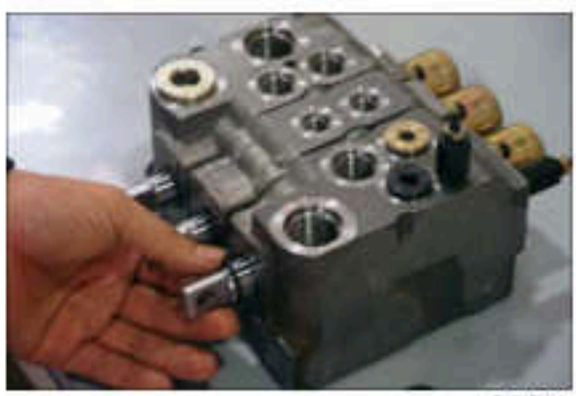
(18) Install spool assembly into the block assembly.


D250CV20

(19) Cover the return cap onto the return spring side of spool assembly and then tighten the socket bolt as following torque.
· Tightening torque : 1.2kgf · m


D250CV21

(20) On the opposite side of the return cap, install O-ring, dust wiper and seal plate to the spool in order.


D250CV22

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2. MAIN CONTROL VALVE

1) DISASSEMBLY

※ All hydraulic components are manufactured to a high precision. Consequently before disassembling or assembling, it is essential to select an especially clean place.

⚠ In handling a control valve, pay full attention to prevent dust, sand, etc. from entering into it.



D250CV24

(1) Loosen socket bolts from the valve and then remove seal plate and dust wiper.



D250CV23

(2) Remove seal plate, dust wiper and O-ring in order from the opposite side of return cap.



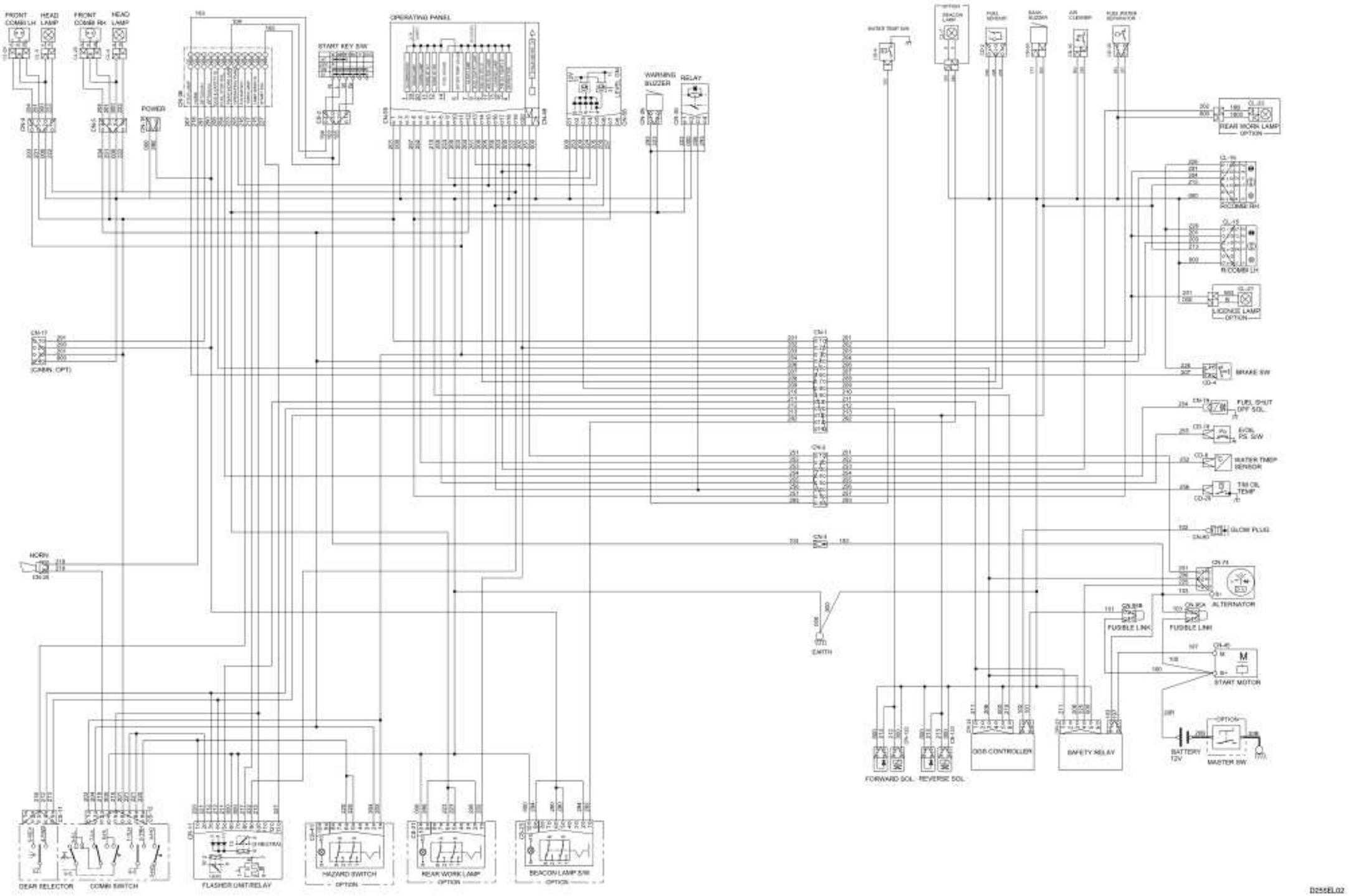
D250CV22

(3) Loosen socket bolt fixing the return cap from the return spring side of spool assembly.



D250CV21

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