FORKLIFT

SERVICE MANUAL

25, 30LC-7S

HYUNDAI

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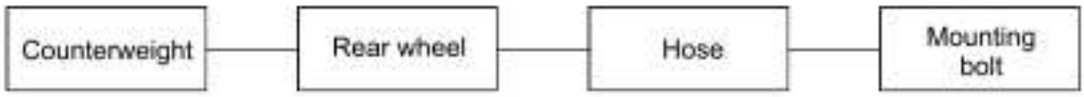
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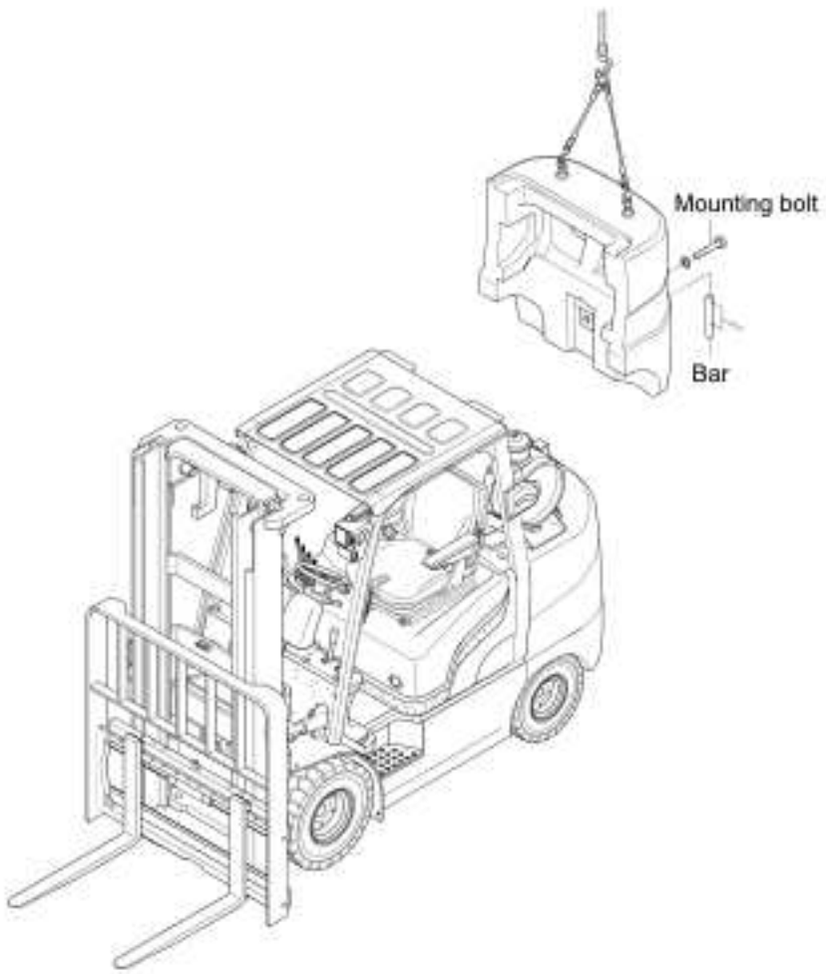
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4. STEERING AXLE

1) REMOVAL





(1) Counterweight

Hold the counterweight with hoist bars, and raise it with a crane.

Remove the mounting bolts, raise slightly and move it slowly to rear side.

- Weight of counterweight (standard)
  25LC(GC)-7S : 1,370 kg (3,020 lb)
  30LC(GC)-7S : 1,750 kg (3,860 lb)
- Tightening torque : 169~229 kgf · m (1223~1655 lbf · ft)

※ Apply loctite #277 before tightening bolt.

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1. TRANSMISSION

Trouble symptom	Probable cause	Remedy
1. Output does not go up		
1) Torque converter		
- Torque converter oil	· The oil is in short supply.	· Replenish oil.
	· The oil that is not regulated is used.	· Change the oil to regular oil.
	· The air has mixed into oil.	· Tighten each joint coupling and the pipe further.
	· The oil filter is clogging.	· Wash the oil filter or change it.
- Main body of torque converter	· The stator free wheel is broken.	· Change the stall revolution then if the revolution is extremely low, change the free wheel inner race, free wheel cam and roller.
	· The stator free wheel is sticking.	· Check the rise of the temperature of oil at no load. Change the free wheel inner race, free wheel cam and roller when the temperature of oil rises abnormally.
	· The wheel with blades is broken or it is touching other components.	· Check whether the aluminum powder and the like has mixed into torque converter oil. Change the wheel with blades if the aluminum powder and the like has mixed in.
2) Transmission		
- Charging pump	· The pump does not operates normally.	· Change the pump.
	· The oil is in short supply.	· Replenish oil.
- Torque converter oil	· The oil that is not regulated is used.	· Change the oil to regular oil.
	· The air bubble occurs because the torque converter pressure decrease.	· Check and adjust the torque converter pressure.
	· The water has mixed into oil.	· Check the cooler, and change all oil.
- Valve assy	· The clutch oil pressure has de-creased, because the spring is setting or break.	· Change the spring.
	· The valve does not move with the valve opens.	· Repair or change the valve.
	· The orifice is clogging.	· Wash the orifice.
- Clutch	· The seal ring of the clutch piston are damaged.	· Change the seal ring.
	· The clutch plate slips because the clutch oil pressure decrease.	· Measure the clutch pressure.
	· The clutch plate is worn out or damaged.	· Change the clutch plate.
	· The clutch piston down not operate normally.	· Repair or change the clutch piston.

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1. HYDRAULIC GEAR PUMP

1) DISASSEMBLY

(1) Clamping pump

① Clamping pump in a vice with pump shaft facing up.
(Do not chuck the aluminum parts such as body and housing.)

② Mark V by permanent marker pen.
This will assure proper reassembly.


PUMP101

(2) Housing

① Loosen 8 bolts and remove housing.

② Pry off snap ring for hole and remove oil seal from housing.

③ Remove O-ring from housing.


PUMP102

(3) Gear

① Mark at the end of the idle gear by permanent marker pen before removing gear set. This will assure proper reassembly.


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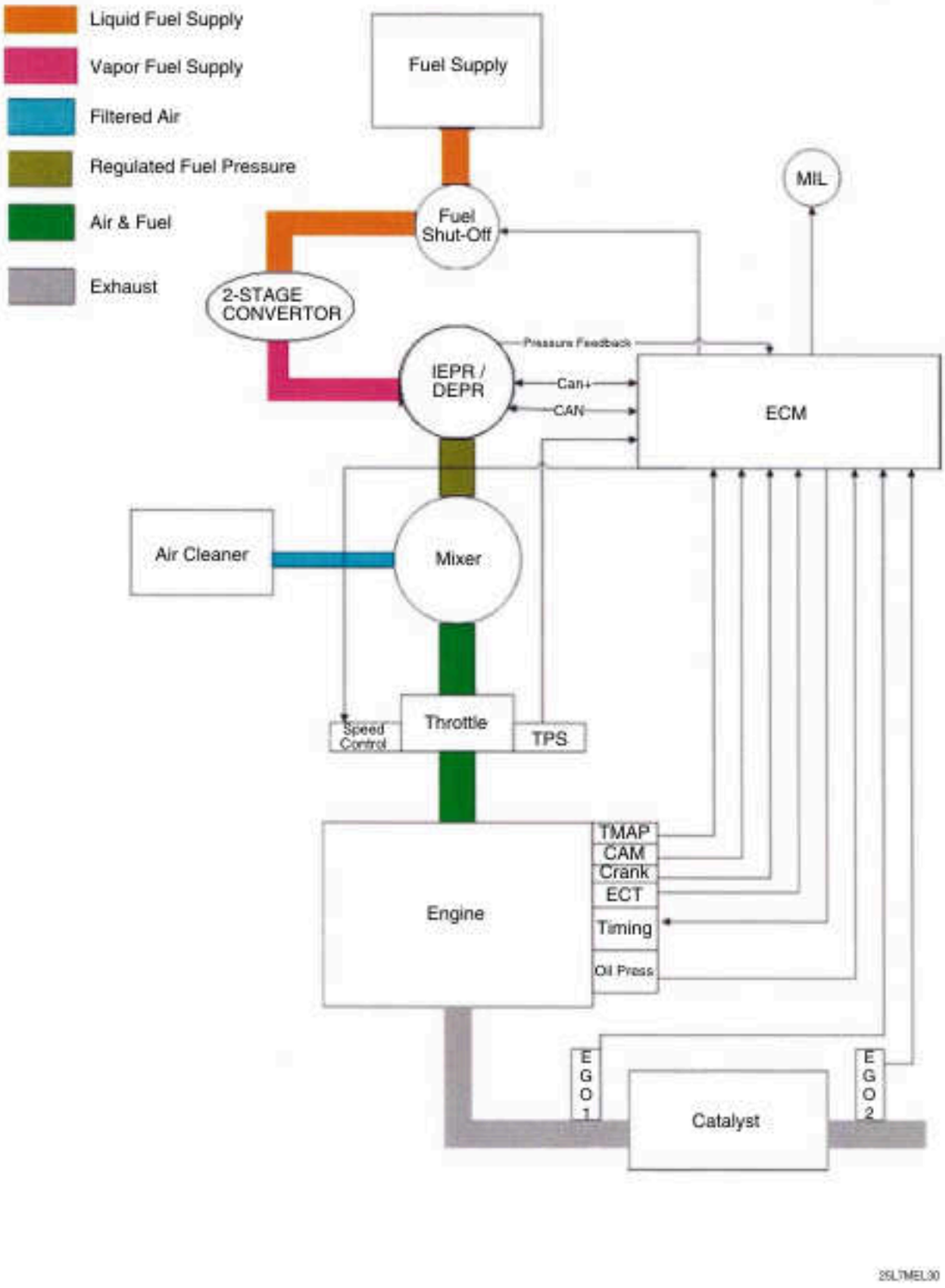
② Dissemble gear set and side plate from body.

③ Dissemble E-type ring and backup ring from side plate.

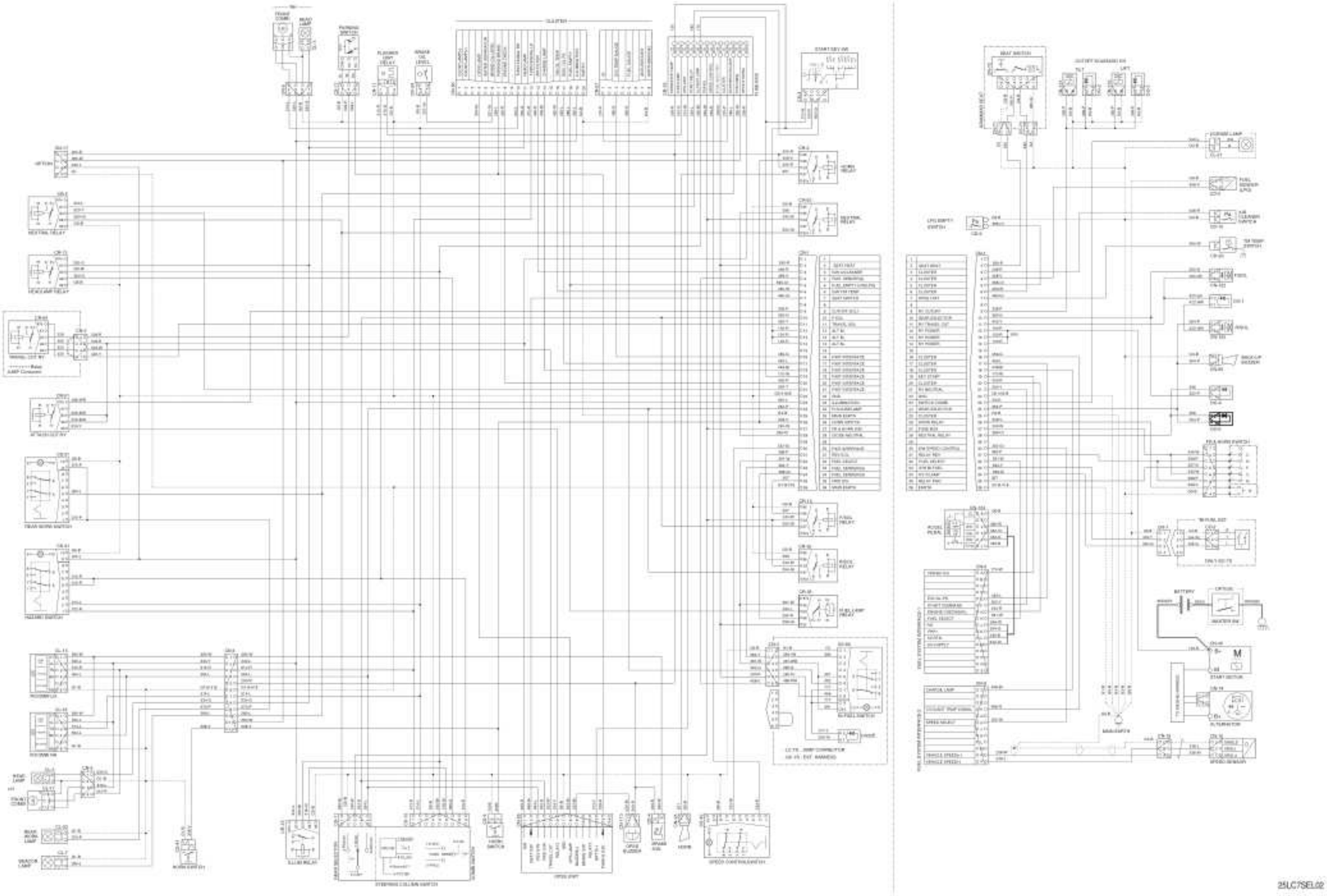

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MOBILE ENGINE LPG FUEL SYSTEM SCHEMATIC



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25LC7SEL02

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