FORKLIFT

SERVICE MANUAL

25, 30 ,35LE-7

HYUNDAI

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CONTENTS

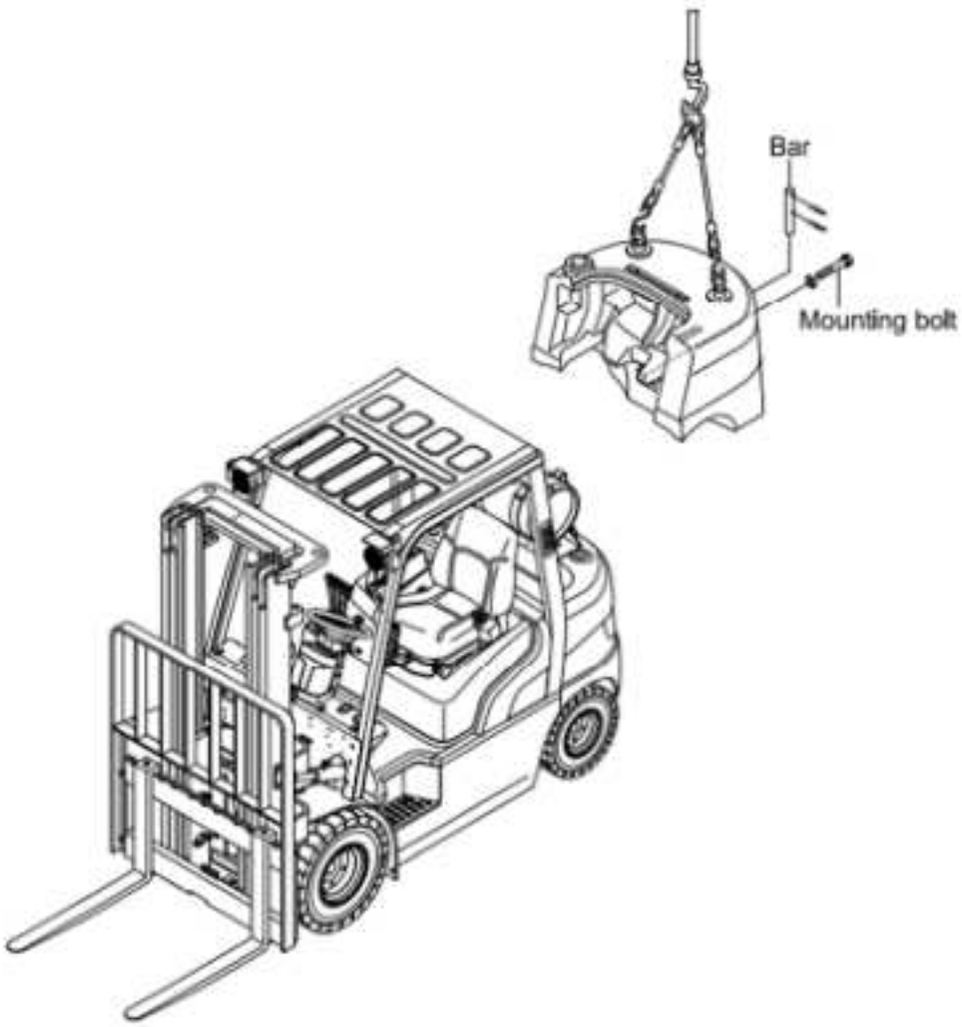
FOREWORD 2
SECTION 1 GENERAL 11
GROUP1 SAFETY HINTS 12
GROUP2 SPECIFICATIONS 16
GROUP3 PERIODIC REPLACEMENT 24
SECTION2 REMOVAL AND INSTALLATION OF UNIT 25
GROUP1 STRUCTURE 26
GROUP2 REMOVAL AND INSTALLATION OF UNIT 27
SECTION3 POWER TRAIN SYSTEM 42
GROUP1 STRUCTURE AND OPERATION 43
GROUP2 DISASSEMBLY AND ASSEMBLY AND TROUBLESHOOTING 46
SECTION4 BRAKE SYSTEM 68
GROUP1 STRUCTURE AND FUNCTION 69
GROUP2 OPERATIONAL CHECKS AND TROUBLESHOOTING 79
GROUP3 TESTS AND ADJUSTMENTS 81
SECTION5 STEERING SYSTEM 83
GROUP1 STRUCTURE AND FUNCTION 84
GROUP2 OPERATIONAL CHECKS AND TROUBLESHOOTING 93
GROUP3 DISASSEMBLY AND ASSEMBLY 96
SECTION6 HYDRAULIC SYSTEM 121
GROUP1 STRUCTURE AND FUNCTION 122
GROUP2 OPERATIONAL CHECKS AND TROUBLESHOOTING 134
GROUP3 DISASSEMBLY AND ASSEMBLY 138
SECTION7 ELECTRICAL SYSTEM 152
GROUP1 COMPONENT LOCATION 153
GROUP2 ELECTRICAL CIRCUIT 154
GROUP3 COMPONENT SPECIFICATION 159
GROUP4 CONNECTOR DESTINATION 160
GROUP5 TROUBLESHOOTING 163
SECTION8 LPG SYSTEM 164
GROUP1 OPEN LOOP LPG FORKLIFT TRUCK SYSTEM COMPONENTS PRINCIPLE 165
GROUP2 GAS FILLING AND OPERATION 176
GROUP3 HANDLING OF ACCIDENTS AND EMERGENCIES 179
GROUP4 TROUBLESHOOTING 180
SECTION9 MAST 187
GROUP1 STRUCTURE 188
GROUP2 OPERATIONALCHECKS ANDTROUBLESHOOTING 192
GROUP3 ADJUSTMENT 195
GROUP4 REMOVAL AND INSTALLATION 198

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4 STEERING AXLE

1) REMOVAL

Counterweight→Rear wheel→Hose→Mounting bolt



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)

25LE-7	1390kg (3064lb)	30LE-7	1656kg (3651lb)
35LE-7	2031kg (4478lb)		

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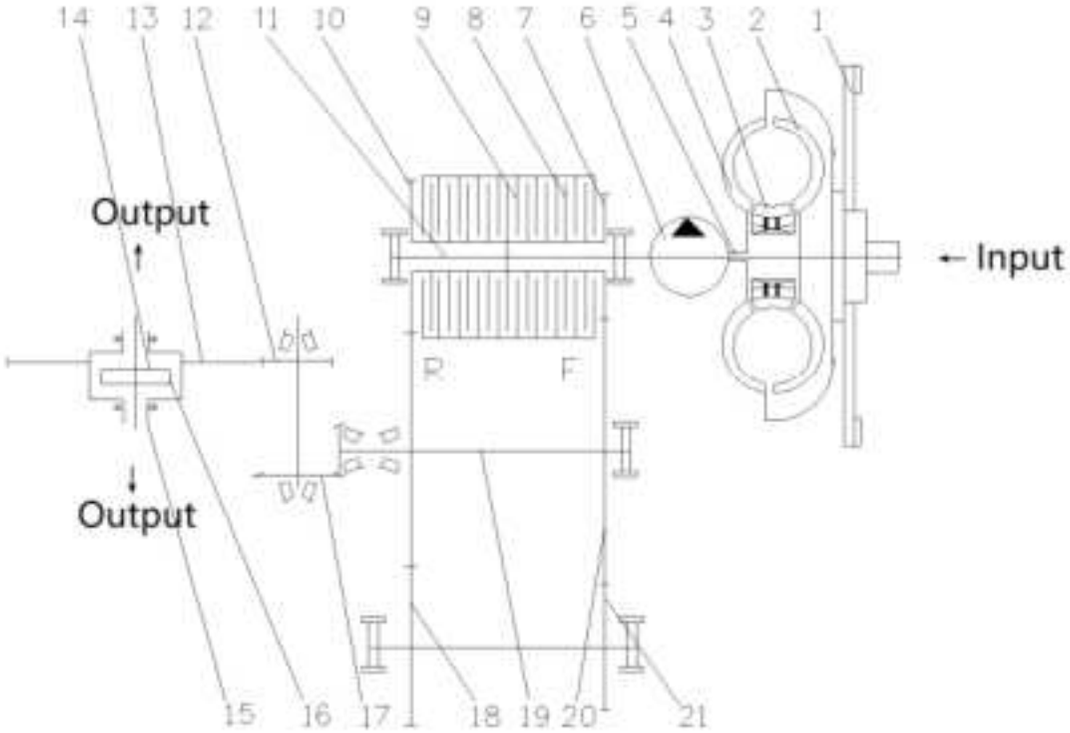


Figure 1 The schematic diagram of JHTY30B hydraulic transmission gearbox

1	Elastic coupling plate	8	friction plate	15	differential assembly
2	Turbine	9	separator	16	planet gear
3	Guide wheel	10	reverse gear	17	helical bevel gear
4	Pump wheel	11	input shaft assembly	18	idler shaft
5	Turbine shaft	12	tooth shaft	19	output shaft
6	Oil pump	13	gear ring	20	output gear
7	forward gear	14	half shaft gear	21	idler

b) Principle of oil circuit

The schematic diagram of the oil circuit of the hydraulic transmission gearbox is shown in Figure 2. In the figure, F represents the forward gear and R represents the reverse gear.

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Trouble symptom	Probable cause	Remedy
Lamps dimming even at maxi- mum 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. •Electric plug damaged.	•Check and repair. •Replace
Engine oil pressure caution lamp does not light when engine is stopped (with starting switch left in "ON" position).	•Caution lamp defective. •Caution lamp switch defective.	•Replace •Replace

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chamber of the pressure reducing valve. If so, open it with a needle.

k) According to the quality of LPG gas, tar should be released regularly. It should be at least once every two months if the LPG quality is not good

Figure 1 below shows that the LPG gas used by the user's forklift truck contains too much tar. The photo obviously shows that the tar leaking out of the casing of the pressure reducing valve blocks the breathing hole on one side of the primary chamber of the pressure reducing valve.



FIG. 1

Views 2 and 3 show that opening the outlet pipe at the interface between the pressure relief valve and the mixer, a large amount of black tar like coffee immediately flows out of the nozzle, which takes more than 10 minutes to basically clean up.



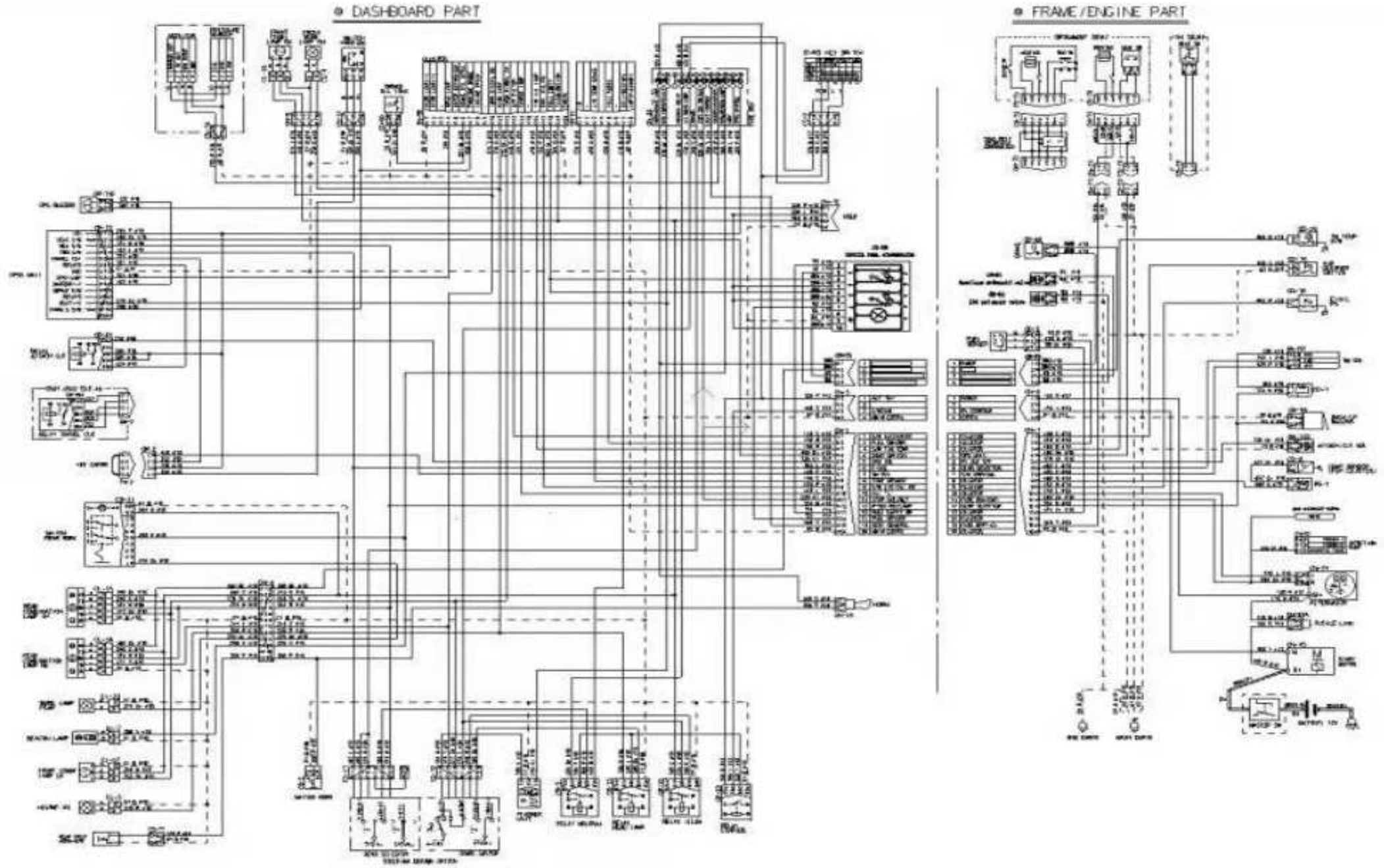
FIG. 2



FIG. 3

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GROUP2 ELECTRICAL CIRCUIT



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