FORKLIFT

SERVICE MANUAL

25, 30, 35DE-7

HYUNDAI

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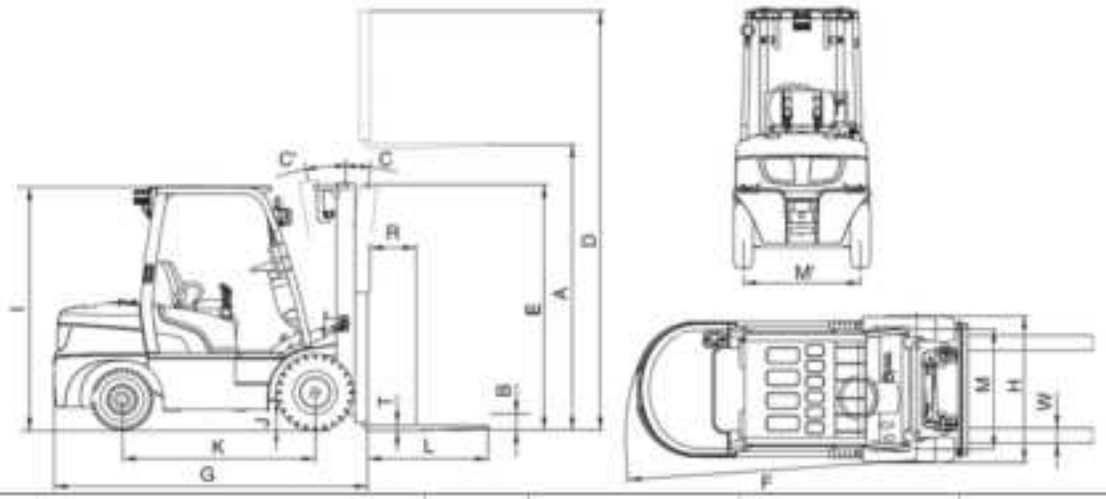
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2 SPECIFICATIONS



Model			Unit	25DE-7	30DE-7	35DE-7
Capacity			kg	2500	3000	3500
Load center		R	mm	500	500	500
Weight (Unloaded)			kg	3815	4223	4595
Fork	Lifting height	A	mm	3005	3005	3005
	Free lift	B	mm	155	155	155
	Lifting speed (Unload/Load)		mm/sec	550/660	450/550	450/550
	Lowering speed (Unload/Load)		mm/sec	580/460	480/350	480/350
	L×W×T	L,W,T	mm	1050×100×45	1050×125×45	1050×125×45
Mast	Tilt angle(forward/backward)	C/C'	degree	6/10	6/10	6/10
	Max height	D	mm	3465	3465	3465
	Min height	E	mm	2040	2040	2040
Body	Travel speed		km/h	16/15.5	16/15	16/15
	Grade ability		mm	29	25	22
	Min turning radius (Outside)	F	%	2313	2398	2434
ETC	Hydraulic oil tank		ℓ	30 (60 MAX.)	30 (60 MAX.)	30 (60 MAX.)
	Fuel tank (Gasoline)		ℓ	30 (60 MAX.)	30 (60 MAX.)	30 (60 MAX.)
Overall length		G	mm	3685	3740	3815
Overall width		H	mm	1102	1102	1102
Overhead guard height		I	mm	2170	2170	2170
Ground clearance (Load)		J	mm	145	145	145
Wheelbase		K	mm	1650	1700	1700
Wheel tread front/rear		M,M'	mm	1005/980	1005/980	1005/980

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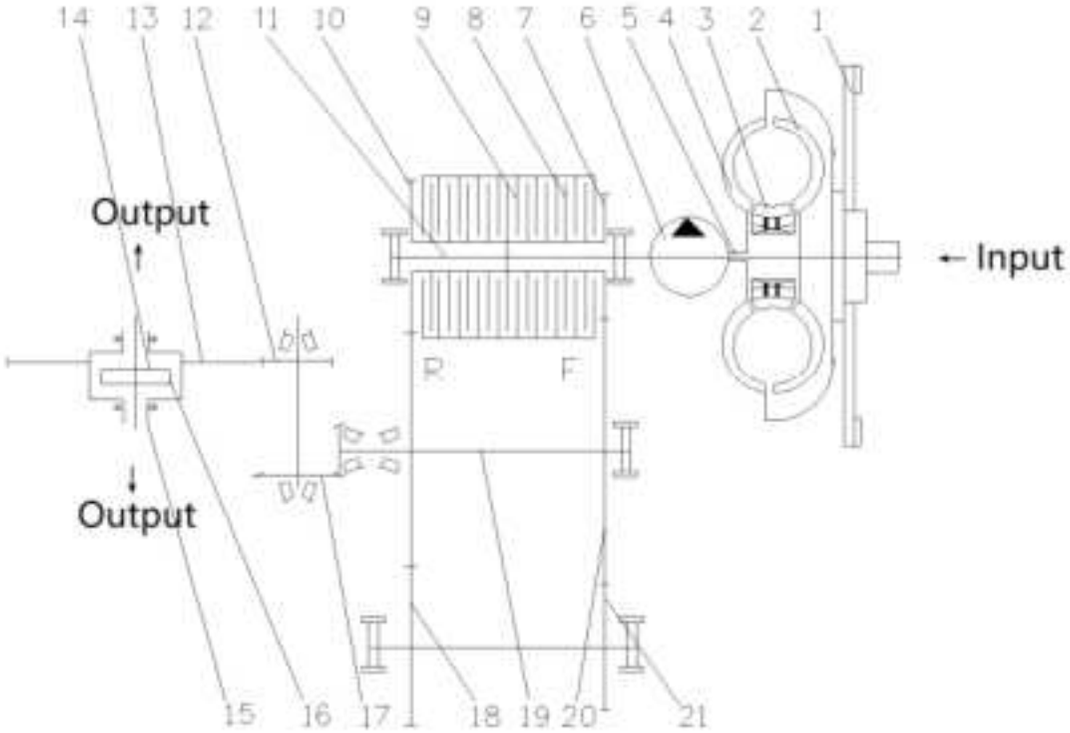


Figure 1 The schematic diagram of JHTY30B hydraulic transmission gearbox

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

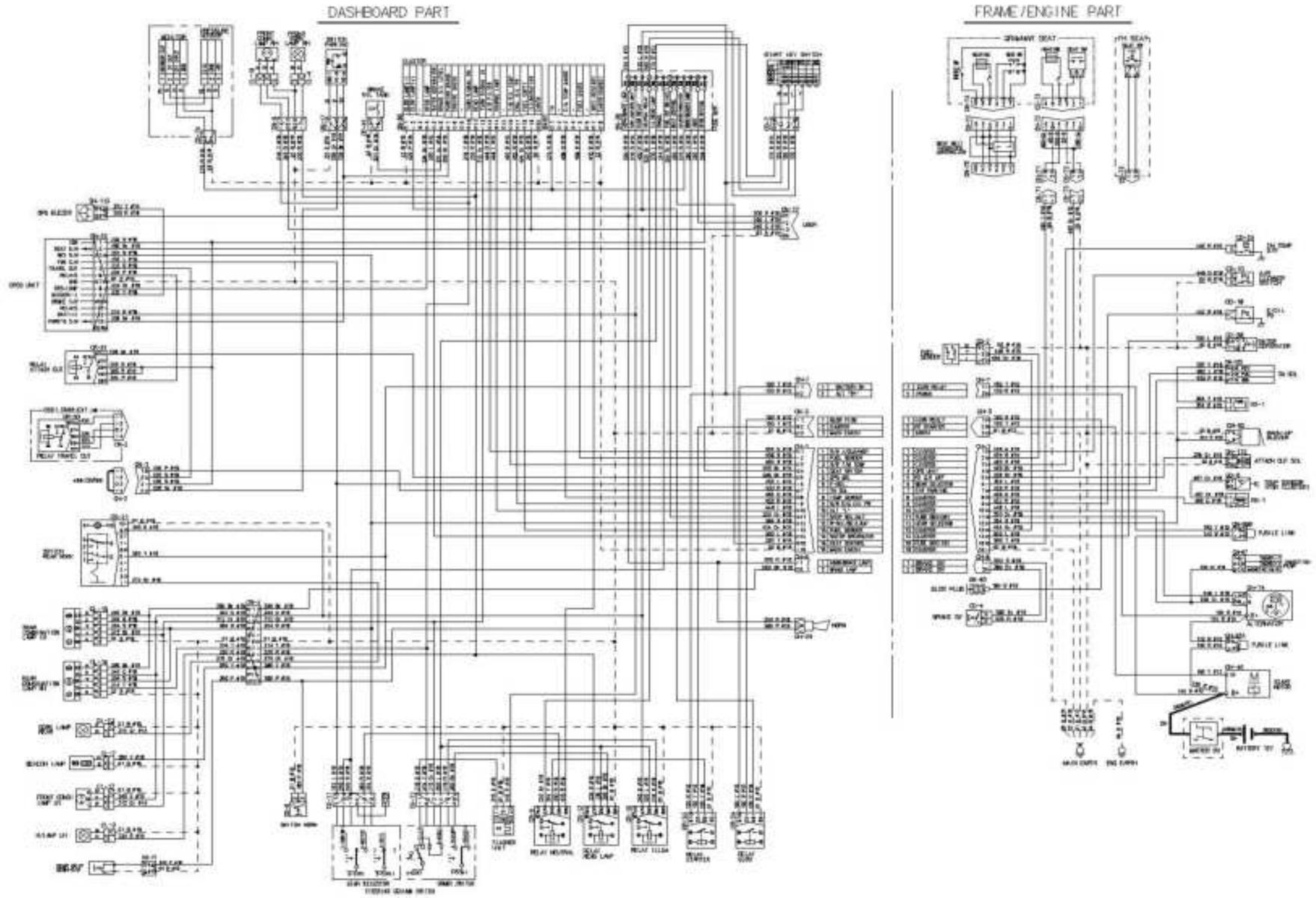
b) Principle of oil circuit

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. •Glow 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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