FORKLIFT

SERVICE MANUAL

25, 30, 33L-7A

HYUNDAI

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Machine serial No. - 25L-7A : -#0060, 30L-7A : -#0025
25LC-7A : -#0043, 30LC-7A : -#0016

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25LC-7A : -#0043, 30LC-7A : -#0016

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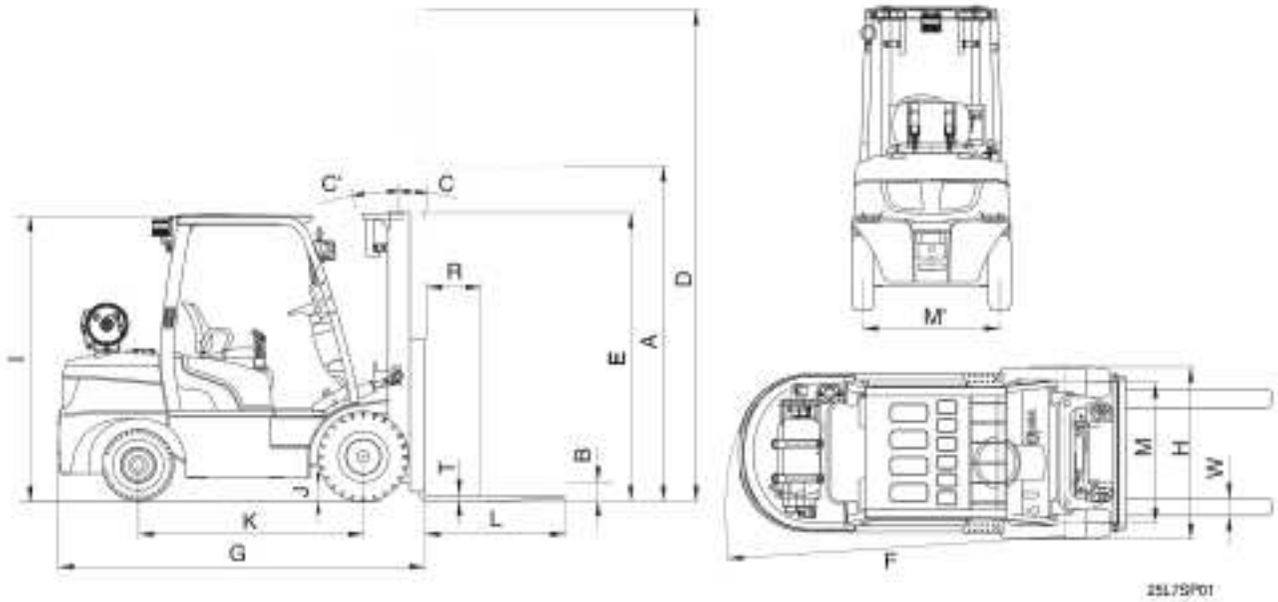
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2. SPECIFICATIONS

1) 25L/30L/33L-7A, 25G/30G/33G-7A

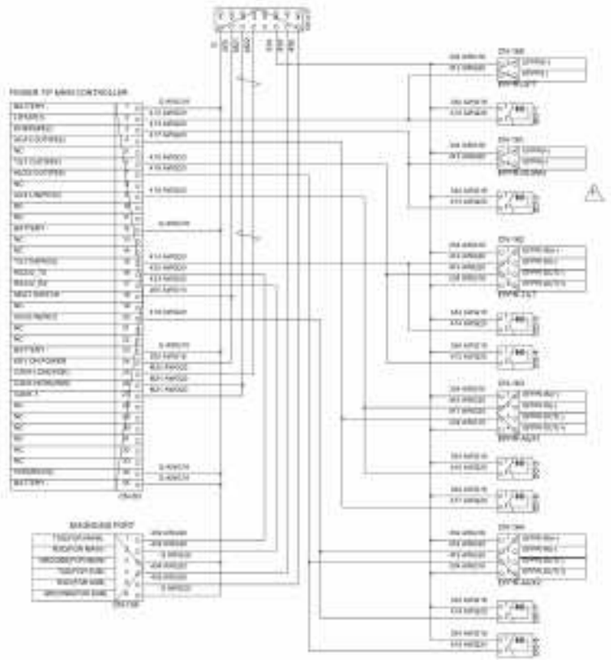


Model			Unit	25L (G)-7A	30L (G)-7A	33L (G)-7A
Capacity			kg (lb)	2500 (5000)	3000 (6000)	3300 (6500)
Load center		R	mm (in)	500 (24")	←	←
Weight(Unloaded)			kg(lb)	3757 (8283)	4237(9340)	4454 (9819)
Fork	Lifting height	A	mm (ft-in)	3305 (10' 10")	←	3205 (10' 6")
	Free lift	B	mm (ft-in)	155 (0' 6")	←	←
	Lifting speed(Unload/Load)		mm/sec	610/600	610/580	510/485
	Lowering speed(Unload/Load)		mm/sec	450/500	←	←
	L×W×T	L,W,T	mm (ft-in)	1050×100×45 (41.3×3.9×1.7)	1050×122×45 (41.3×4.8×1.7)	←
Mast	Tilt angle (forward/backward)	C/C'	degree	6/10	←	←
	Max height	D	mm (ft-in)	4485 (14' 6")	←	4385 (14' 5")
	Min height	E	mm (ft-in)	2175 (7' 2")	2190 (7' 2")	←
Body	Travel speed		km/h	17.7	18.6	←
	Gradeability		mm (ft-in)	37.1	29.7	27.6
	Min turning radius(Outside)	F	%	2076 (6' 10")	2136 (7' 0")	←
ETC	Hydraulic oil tank		ℓ (usgal)	33(8.7)	←	←
	Fuel tank(Gasoline)		ℓ (usgal)	48(12.7)	←	←
Overall length		G	mm (ft-in)	2594(8' 6")	2692(8' 10")	2732(9' 0")
Overall width		H	mm (ft-in)	1160(3' 10")	1230(4' 0")	←
Overhead guard height		I	mm (ft-in)	2160(7' 1")	2180(7' 2")	←
Ground clearance(Load)		J	mm (ft-in)	108(0' 4")	118(0' 5")	145(0' 6")
Wheel base		K	mm (ft-in)	1650(5' 5")	1700(3' 10")	←
Wheel tread front/rear		M, M'	mm (ft-in)	965/980 (3'2"/3'3")	1005/980 (3'4"/3'3")	←

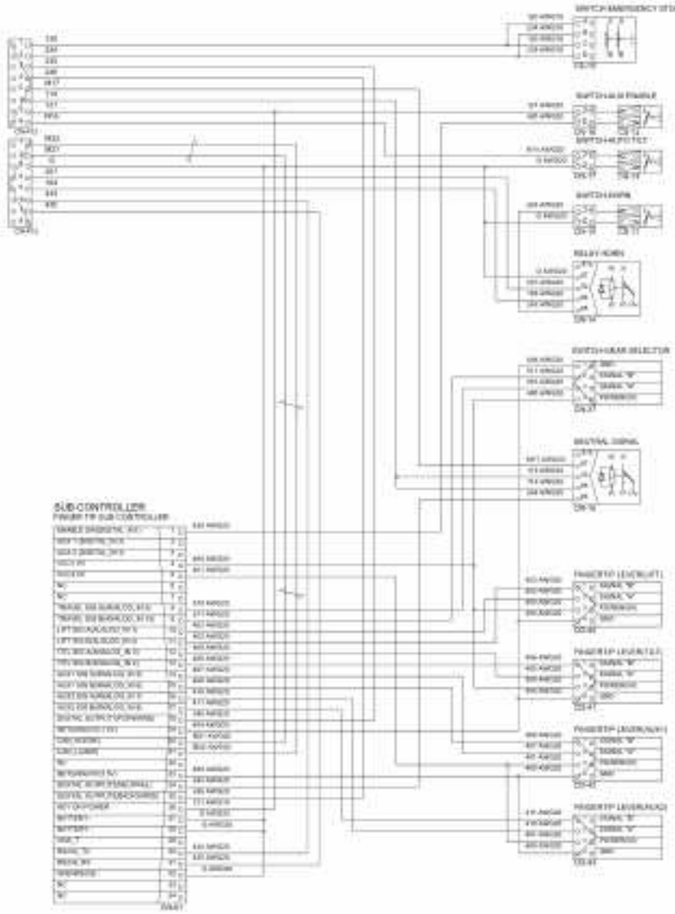
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·ELECTRICAL CIRCUIT (25L-7A : #5733~, 30L-7A : #3107~, 33L-7A : #565~)

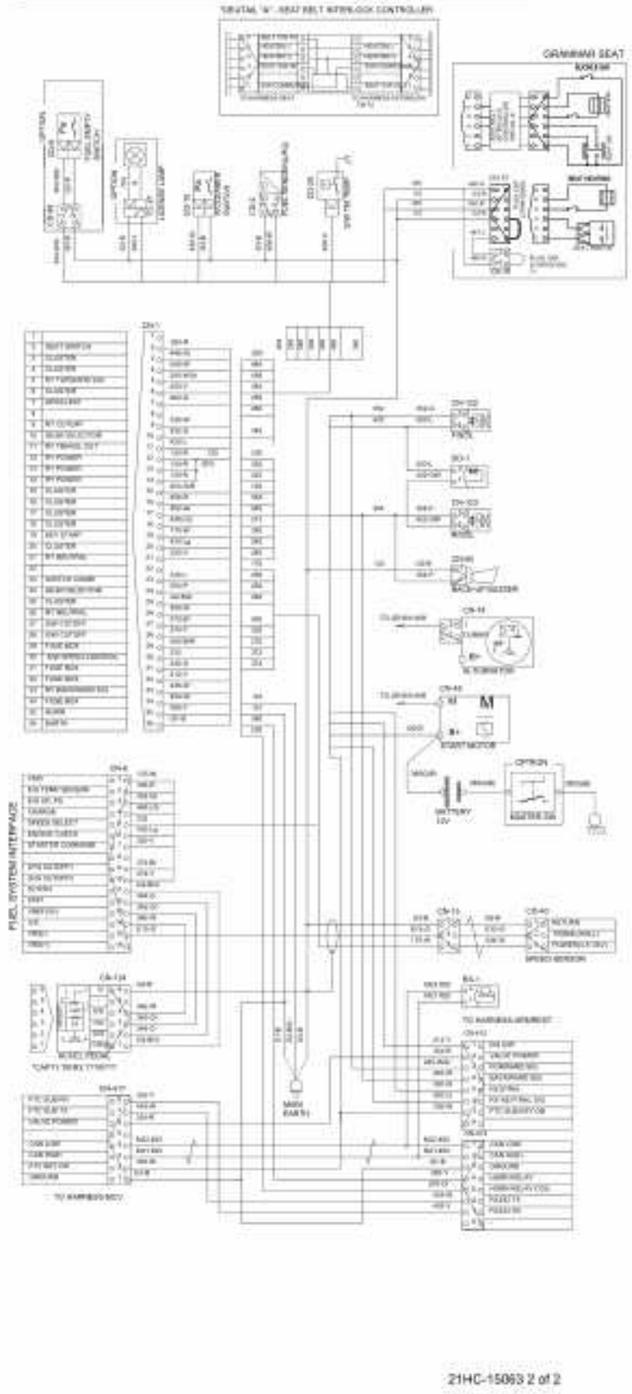
FINGERTIP PART(HARNESS-MCV)



FINGERTIP PART(HARNESS-ARMREST)



FRAME/ENGINE PART(FINGERTIP OPTION)



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2. TROUBLESHOOTING

1) MAST

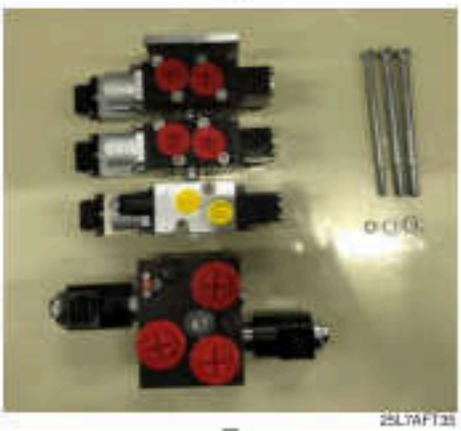
Problem	Cause	Remedy
Forks fail to lower.	· Deformed mast or carriage.	· Disassemble, repair or replace.
Fork fails to elevate	· Faulty hydraulic equipment.	· See troubleshooting hydraulic pump and cylinders in section 6, hydraulic system.
	· Deformed mast assembly.	· Disassemble mast and replace damaged parts or replace complete mast assembly.
Slow lifting speed and insufficient handling capacity.	· Faulty hydraulic equipment.	· See troubleshooting hydraulic pump and cylinders in section 6, hydraulic system.
	· Deformed mast assembly.	· Disassemble mast and replace damaged parts or replace complete mast assembly.
Mast fails to lift smoothly.	· Deformed masts or carriage.	· Disassembly, repair or replace.
	· Faulty hydraulic equipment.	· See Troubleshooting Hydraulic Cylinders, pump and control valve in section 6, hydraulic system.
	· Damaged load and side rollers.	· Replace.
	· Unequal chain tension between LH & RH sides.	· Adjust chains.
	· LH & RH mast inclination angles are unequal. (Mast assembly is twisted when tilted)	· Adjust tilt cylinder rods.
Abnormal noise is produced when mast is lifted and lowered.	· Broken load roller bearings.	· Replace.
	· Broken side roller bearings.	· Replace.
	· Deformed masts.	· Disassemble, repair or replace.
	· Bent lift cylinder rod.	· Replace.
	· Deformed carriage.	· Replace.
	· Broken sheave bearing.	· Replace.
Abnormal noise is produced during tilting operation.	· Insufficient lubrication of anchor pin, or worn bushing and pin.	· Lubricate or replace.
	· Bent tilt cylinder rod.	· Replace.

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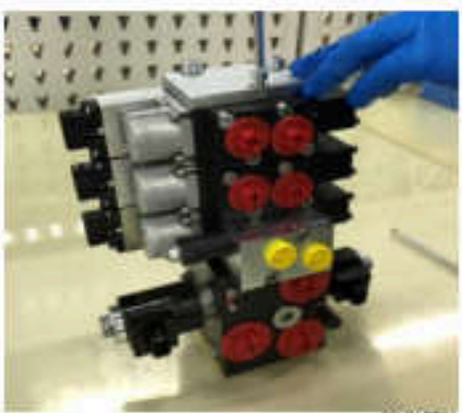
(2) Assembly



25L7AFT34



25L7AFT35



25L7AFT36

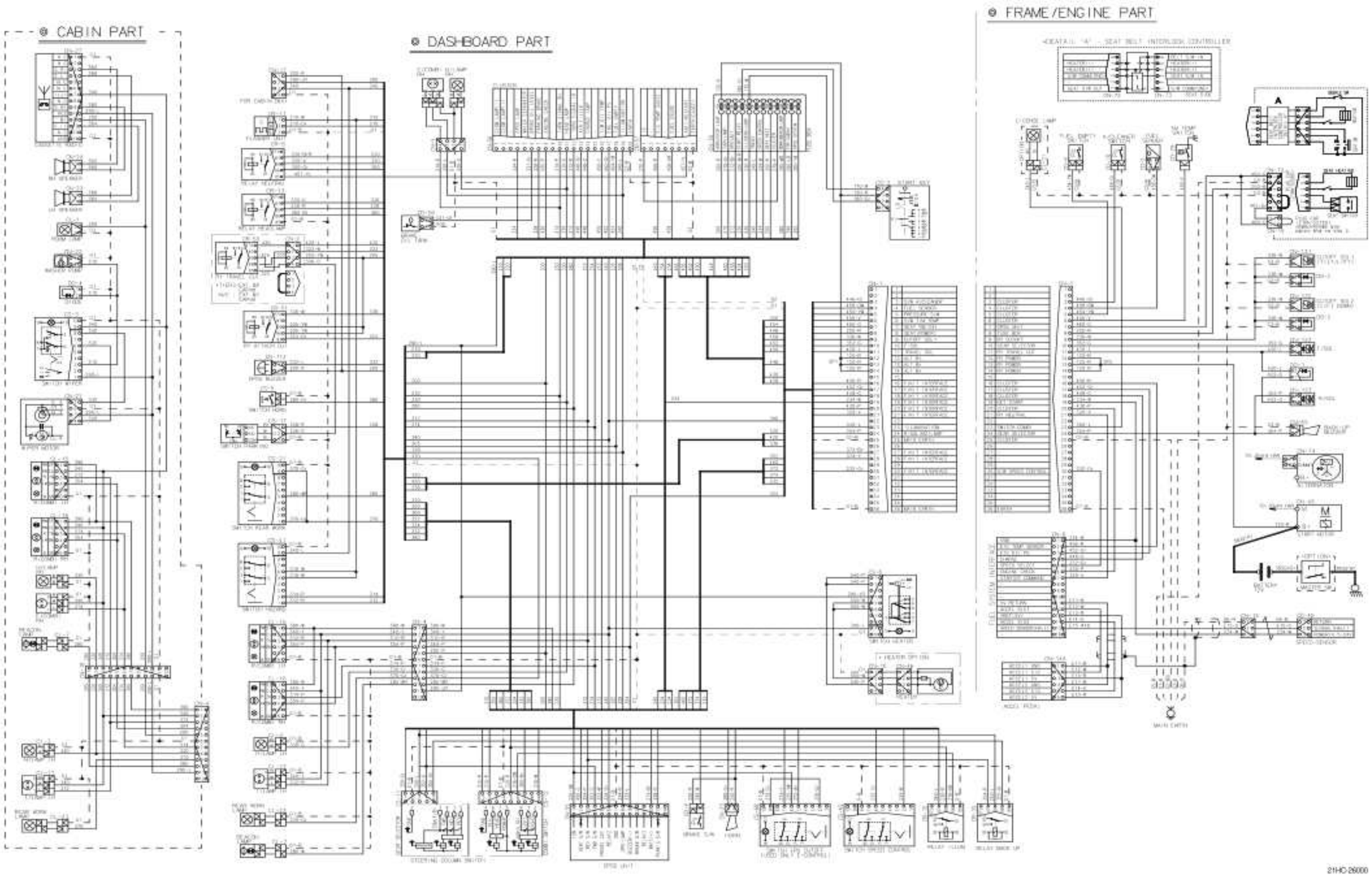


25L7AFT37

※ From 3 spool to 4 spool.
※ When it needs to assemble section valve, it's possible to combine with tension rod sets.

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- WOODWARD LPG FUEL KIT KIA



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