FORKLIFT

SERVICE MANUAL

HDF15-5

HYUNDAI

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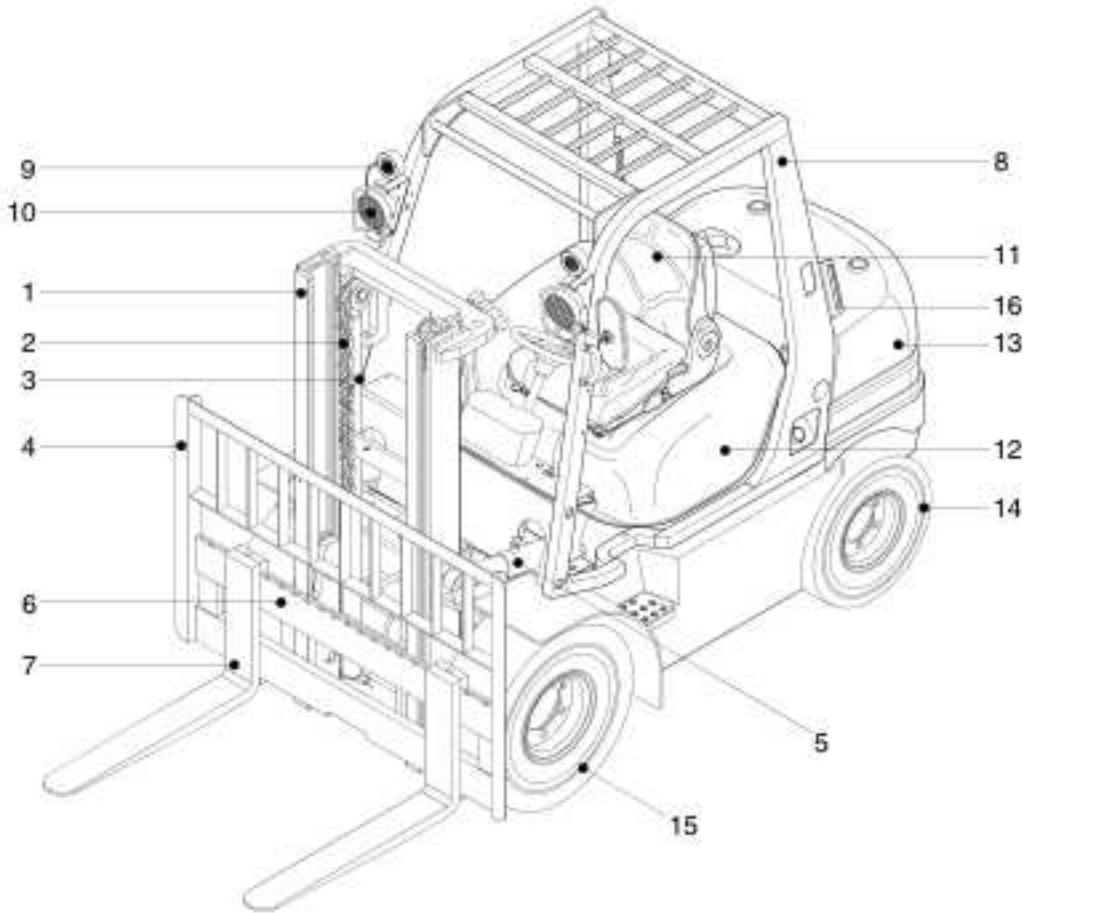
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GROUP 2 SPECIFICATIONS

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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GROUP 2 OPERATIONAL CHECKS AND TROUBLESHOOTING

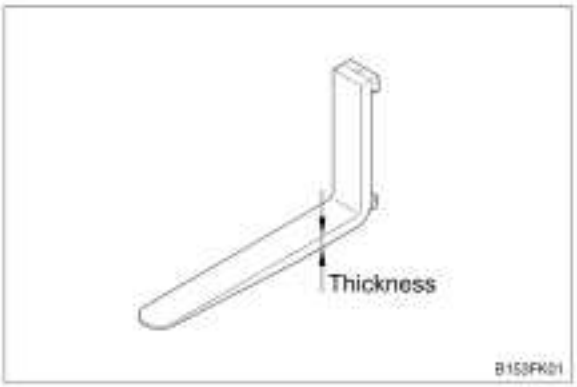
1. OPERATIONAL CHECKS

1) FORKS

(1) Measure thickness of root of forks and check that it is more than specified value.
EX : ℓ =900mm(35.4in)

mm(in)

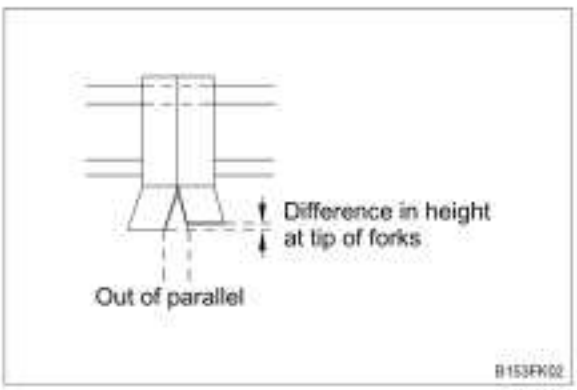
STD Fork assy	Applicable model	Standard	Limit
64FP-12030	HDF 15/18-5	35(1.4)	32(1.3)



(2) Set forks in middle and measure out of parallel and difference in height at top of forks.

mm(in)

Difference in height	Max 15(0.6)
Out-of-parallel	Max 35(1.4)



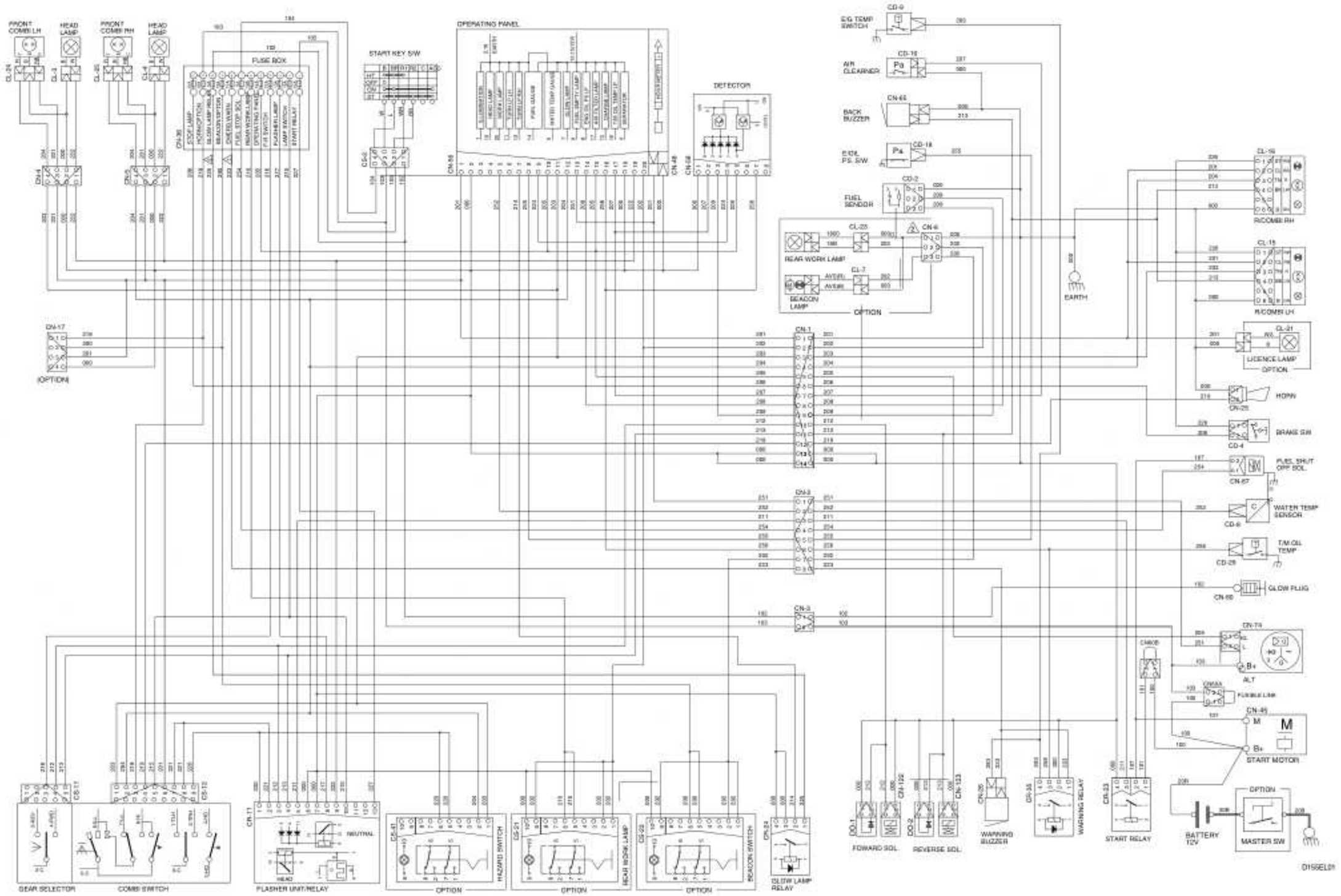
(3) Most force is concentrated at root of fork and at hook, so use crack detection method to check cracks.

2. MAST

1) Check for cracks at mast stay, tilt cylinder bracket, guide bar, fork carriage and roller shaft weld. Check visually or use crack detection method. Repair any abnormality.
2) Set mast vertical, raise forks about 10cm from ground and check front-to-rear clearance and left-to-right clearance between inner mast and fork carriage, and between outer mast and inner mast. Use these figures to judge if there is any play at roller or rail.
   - Front-to-rear clearance : Within 2.0mm(0.08in)
   - Left-to-right clearance : Within 2.5mm (0.10in)
3) Check that there is an oil groove in bushing at mast support.
4) Set mast vertical, raise forks about 10cm from ground, and push center of lift chain with finger to check for difference in tension.
   If there is any difference in tension, adjust chain stopper bolt.
5) Check visually for abnormalities at thread of chain anchor bolt, and at contact surface between chain wheel and chain.
   Rotate chain wheel by hand and check for any play of bearing.

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GROUP 2 ELECTRICAL CIRCUIT



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