CAT® Lift Trucks

Operation & Maintenance Manual

FC/MC

DP70N AT20D-10011-up

Original Instructions

Keep this manual in your lift truck as a ready reference **99700-63110**

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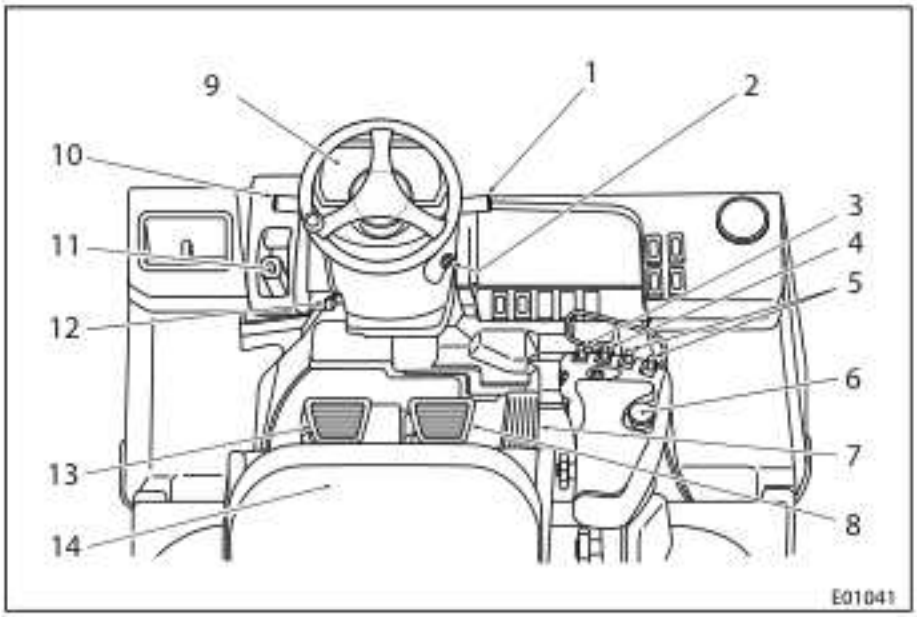
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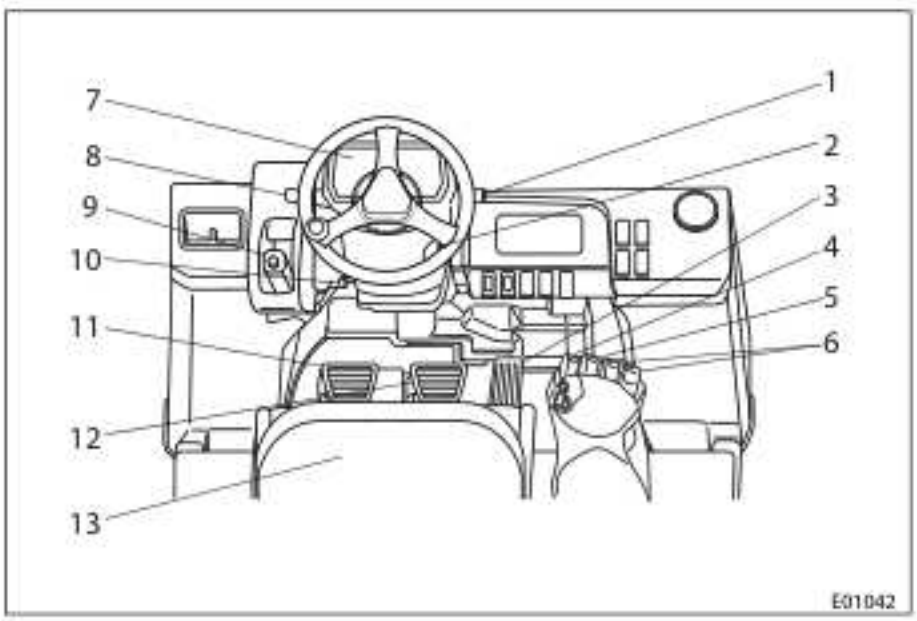
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▶ FC Model (Type A)



1. Turn signal/light switch
2. Key switch
3. Lift switch
4. Tilt switch
5. Attachment switches
6. Emergency mast stop button
7. Accelerator pedal
8. Brake pedal
9. Meter panel
10. Direction lever
11. Parking brake lever
12. Steering column tilt lever
13. Inching pedal
14. Operator seat

▶ FC Model (Type B)



1. Turn signal/light switch
2. Key switch
3. Accelerator pedal
4. Lift switch
5. Tilt switch
6. Attachment switches
7. Meter panel
8. Direction lever
9. Parking brake lever
10. Steering column tilt lever
11. Inching pedal
12. Brake pedal
13. Operator seat

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▶ Engine Oil and Oil Filter

Replace

- Replace engine oil and oil filter.

See 11-37 "Replace engine oil and oil filter" of Engine Crankcase in the Every 500 Service Hours or 3 Months, Whichever Comes First.

▶ Primary Fuel Filter

Replace

- Replace fuel filter.

See 11-39 "Replace fuel filter" of Primary Fuel Filter in the Every 500 Service Hours or 3 Months, Whichever Comes First.

▶ Secondary Fuel Filter

Replace

- Replace fuel filter.

See 11-40 "Replace fuel filter" of Secondary Fuel Filter in the Every 500 Service Hours or 3 Months, Whichever Comes First.

▶ Hydraulic Tank Return Oil Filter and Wash Strainer

Replace

- Replace hydraulic tank return oil filter and wash strainer.

See 11-46 "Replace return oil filter and wash strainer" of Hydraulic System in the Every 500 Service Hours or 3 Months, Whichever Comes First.

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◆Specifications (Standard Models)

Item		Value
Alternator drive belt deflection when pushed with 98 N (10 kgf) [22 lbf] pressure		8 mm (0.31 in.)
Engine idling speed		800 min^{-1}
Steering wheel free play when measured at rim with engine idling		70 mm (2.8 in.)
Inching pedal free play		30 to 49 mm (1.2 to 1.9 in.)
Brake pedal free play		22 to 41 mm (0.9 to 1.6 in.)
Tire size	Front	8.25-15-12 PR (I)
	Rear	
Rim		15 × 6.50 T
Tire pressure (Pneumatic)	Front	700 kPa (7.04 kgf/cm^2)(100 psi)
	Rear	
Tightening torque for wheel nuts		403 N·m (41.1 kgf·m) [297 lbf·ft]
Lift chain elongation limit, mm (in.) / 20 links		654 mm (25.7 in.)

Note: The service data is subject to change without notice.

◆Refill Capacities

Item		Value
Fuel tank		180 L (47.6 U.S. gal.)
Engine cooling system - 0.65 L (0.17 U.S. gal.) reserve tank included		15.3 L (4.04 U.S. gal.)
Engine oil	Oil pan	8 L (2.11 U.S. gal.)
	Oil filter	1 L (0.26 U.S. gal.)
	Total	9 L (2.4 U.S. gal.)
Torque converter		22 L (5.8 U.S. gal.)
Gear oil (Front axle oil)		14 L (3.64 U.S. gal.)
Hydraulic oil		N level: 105 L (27.7 U.S. gal.)
Brake fluid		240 cc (14.6 cu.in.)
Specific gravity of battery electrolyte		1.28

◆Capacities and Lift Truck Weight (Standard Models)

Item	Value
Capacity, kg (lb)/600 mm (24 in.)	7000 (15500)
Lift truck weight kg (lb)	9320 (20504)

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