CAT® Lift Trucks

Operation & Maintenance Manual

FC/LC

DP100NM1	AT15E-20011-39999
DP120NM1	AT15E-20011-39999
DP135NM1	AT15E-20011-39999
DP150NM1	AT24C-20011-39999

Original Instructions

Keep this manual in your lift truck as a ready reference **99790-67100**

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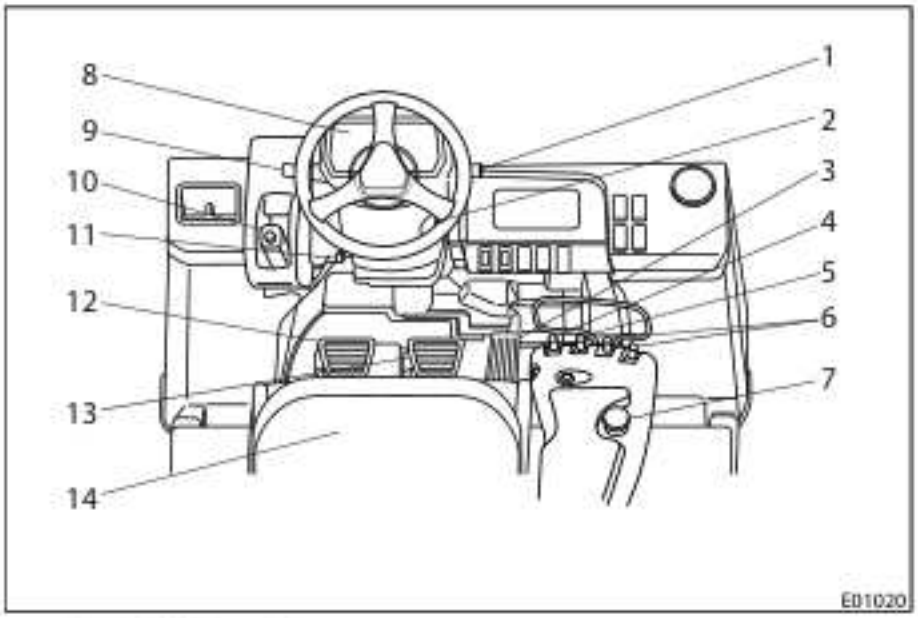
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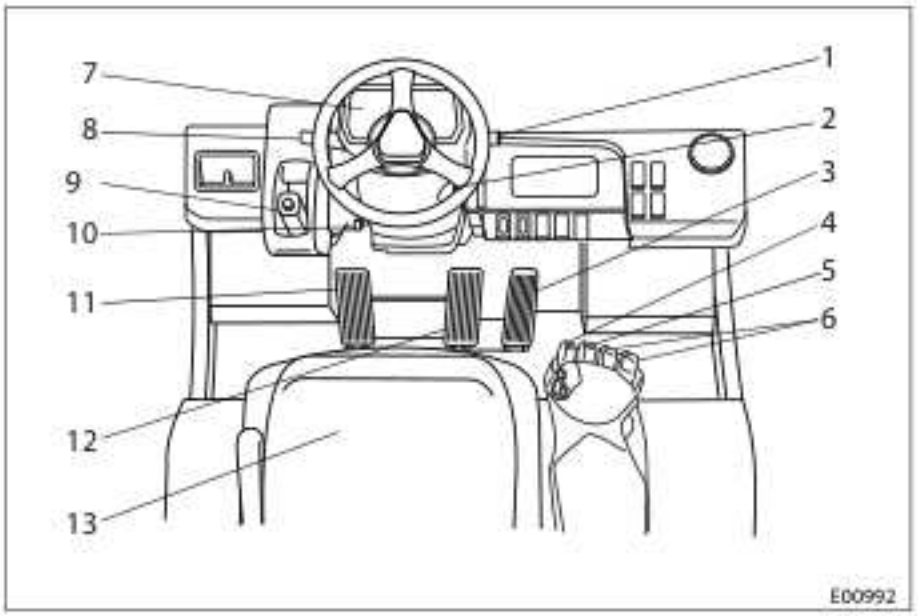
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▶ FC Model (Type A)



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

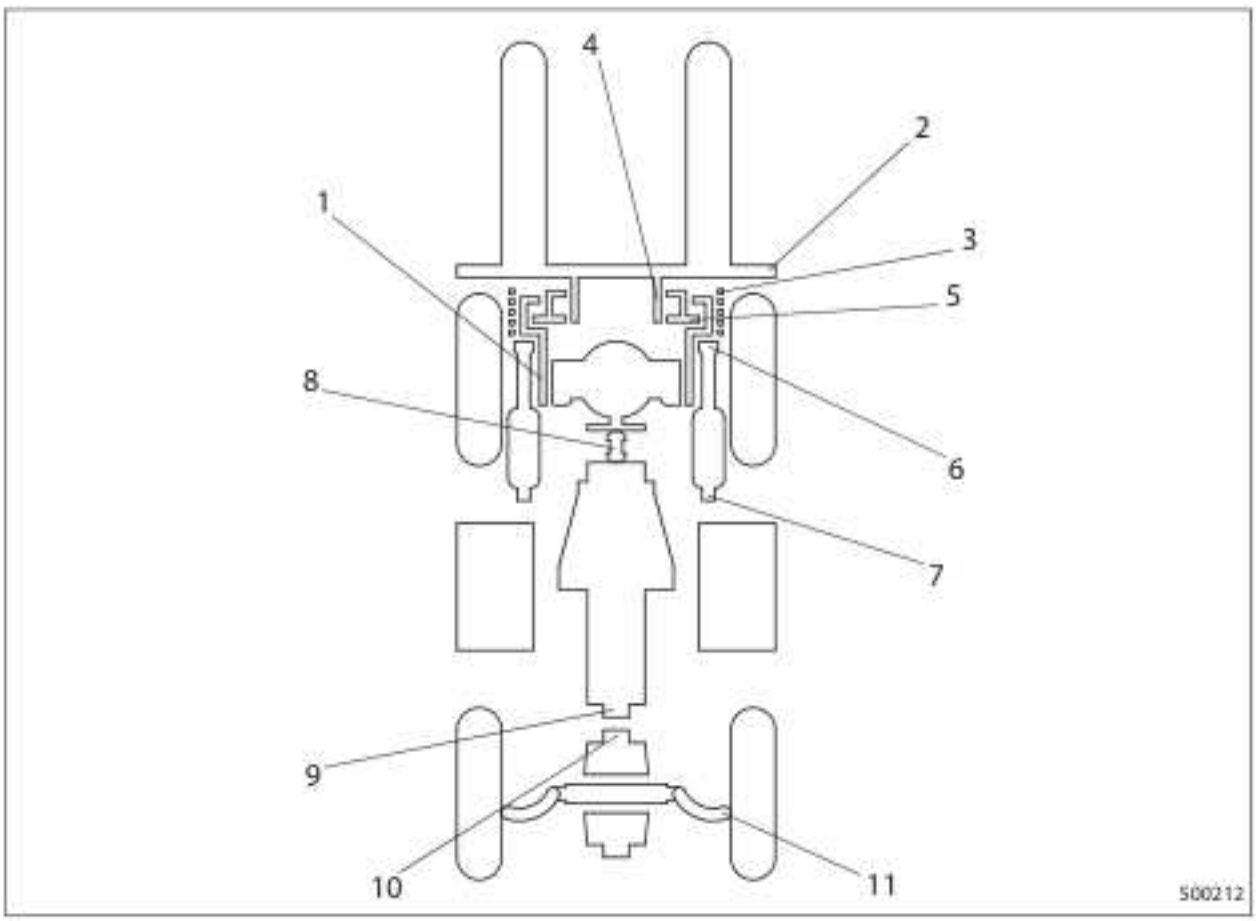
▶ FC Model (Type B)



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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◆Lubrication Chart



Ref.	Lubricating point	Lubricant/grease	Period
1	Mast support bushings (Each side)	Multipurpose-type grease	Every 500 service hours or 3 months, whichever comes first
2	Fork guide bar		
3	Lift chain (Each side)	Engine oil	
4	Mast and lift bracket side rollers (Each side)	Multipurpose-type grease	
5	Mast strips surfaces (Each side)		
6	Tilt socket pins (Each side)		
7	Tilt cylinder pins (Each side)		
8	Universal joint (2 places)		
9	Fan belt pulleys (3 fittings)		
10	Rear axle supports (Front and Rear)		
11	Tie rod pins (4 places)		

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◆ Specifications (Standard Models)

Item		Truck model			
		DP100NM1	DP120NM1	DP135NM1	DP150NM1
Engine idling speed		850±50 min^{-1}			
Alternator drive belt deflection (when pushed with 98 N (10 kgf) [22 lbf] pressure)		10 to 15 mm (0.39 to 0.59 in.)			
Fan drive belt deflection (when pushed with 98 N (10 kgf) [22 lbf] pressure)		24 to 26 mm (0.94 to 1.02 in.)			
Steering wheel free play (when measured at rim with engine idling)		70 mm (2.76 in.)			
Brake pedal free play		15 mm (0.59 in.)			
Inching pedal free play		23 mm (0.91 in.)			
Tire size	Front tire	10.00-20-14FR	10.00-20-16FR	12.00-20-18PR	
	Rear tire				
Tire pressure	Front tire	700 kPa (7.1 kgf/cm^2) [101.5 psi]	800 kPa (8.2 kgf/cm^2) [116.0 psi]		
	Rear tire				
Tightening torque for wheel nuts	Front tire	539.4 ± 49 N·m (55.00 ± 5.0 kgf·m) [397.841 ± 36.14 lbf·ft]			
	Rear tire	490.3± 588.4 N·m (50.00 ± 60.00 kgf·m) [361.627± 433.982 lbf·ft]			
Lift chain elongation limit	(mm/20 links)	915 mm (36.02 in.)			1046 mm (41.18 in.)

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

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