CAT® Lift Trucks

Service Manual

Chassis, Mast & Options

DP60	T20C-20001-up
DP70	T20C-70001-up

For use with the S6S Engine Service Manual. 99709-67100

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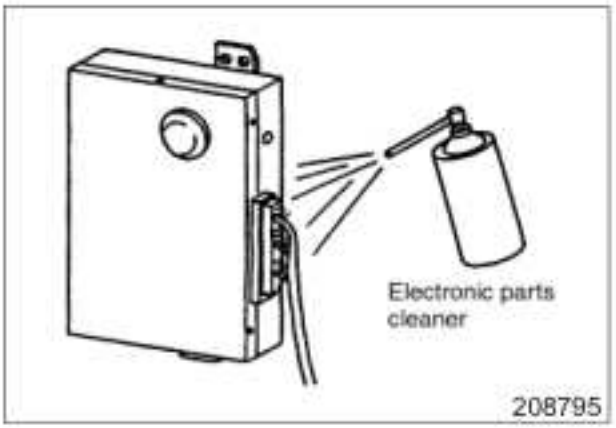
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6.6.5 How to Clean Harness Connectors and System Components

(1) Open-circuit trouble is often due to the harness connectors and components in dirty conditions: dust, together with greasy matter, forms grime which, in time, penetrates electrical connections, resulting in loose metal-to-metal contact, or worse, electrical separation of surfaces in contacts. For this reason, it is essential that the connectors and components be cleaned at each periodic inspection and at the time of servicing the machine. Instead of a commonly used solvent, use electronic parts cleaner (in the manner illustrated on the right).

Electronic parts cleaner	ThreeBond 29B

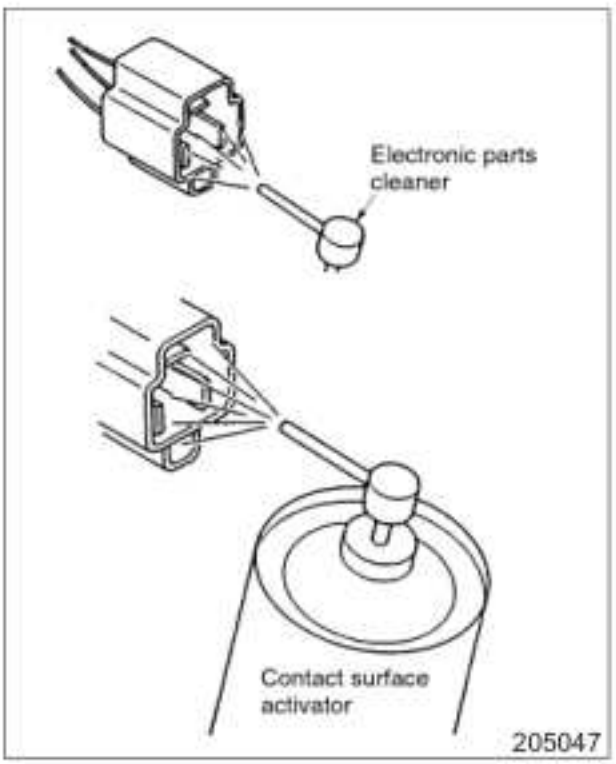


NOTE

The cleaner liquid is volatile. All you have to do is just spray to wash off grime. No need to wipe off the sprayed liquid.

(2) After checking the connector for continuity, wash it as above. Then, uncouple the connector and spray contact surface activator onto contact surfaces. Now, install and remove the connector several times to wet the surfaces thoroughly with the activator liquid. After coupling up the connector that was sprayed on, make sure that it is in locked state.

Contact surfaces activator	ThreeBond 2501S (aerosol)



NOTE

Do not spray too much: bear in mind that this spray liquid reacts with some resins (plastic materials).

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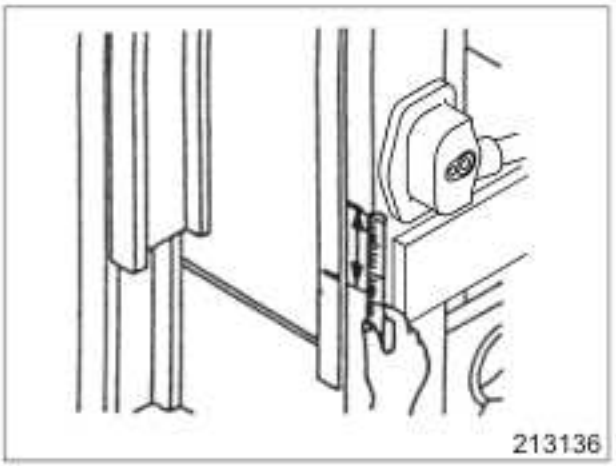
6. Testing

6.1 Lift cylinder drift test

(1) Pick up a load equal to the rated capacity, place the mast to a vertical position, lift the fork 1 to 1.5 m (3.3 to 4.9 ft), and stop the engine.

(2) Mark a reference line on the mast, and measure the drift (retraction of the piston rods) for 15 minutes.

Lift cylinder drift (in 15 minutes under rated load weight)	55 mm (2.2 in.), maximum

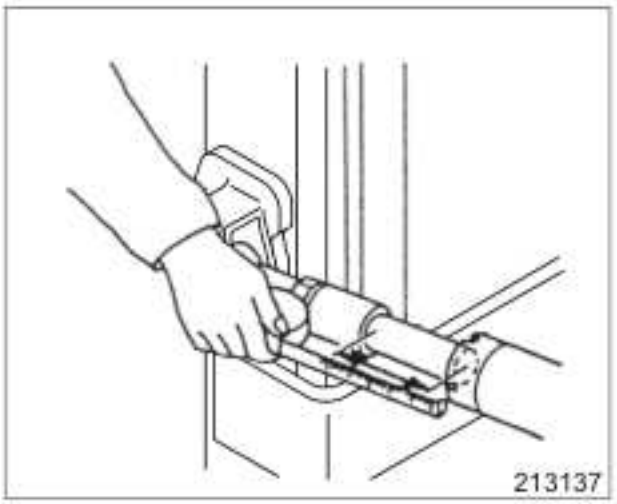


6.2 Tilt cylinder drift test

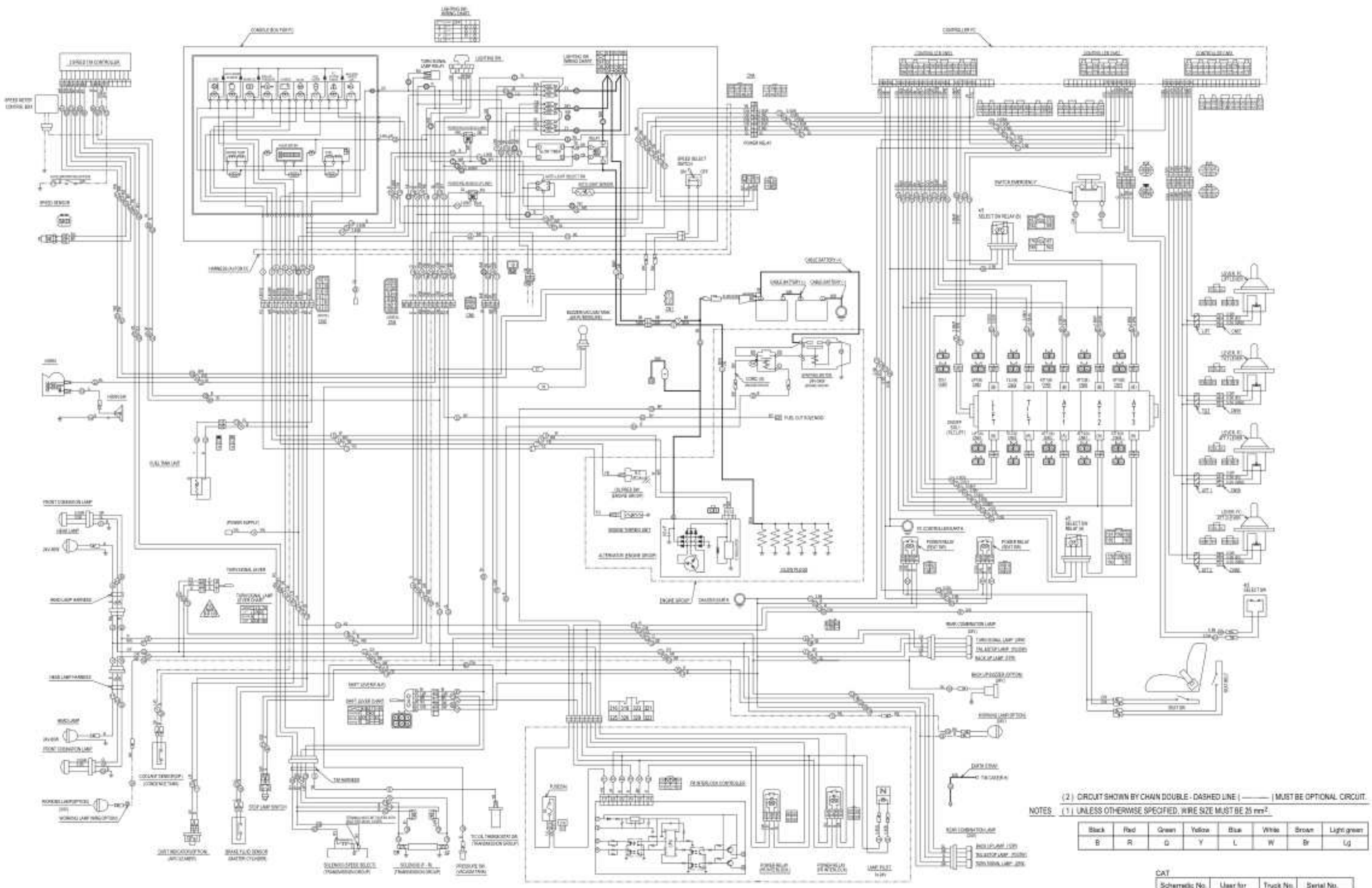
(1) Pick up a load equal to the rated capacity, place the mast to a vertical position, lift the fork about 50 cm (20 in.), and stop the engine.

(2) Measure the extension of tilt cylinder piston rods for 15 minutes.

Truck Model	DP60	DP70
Tilt cylinder drift (in 15 minutes under rated load weight)	15 mm (0.59 in.)	24 mm (0.94 in.)



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NOTES
(1) UNLESS OTHERWISE SPECIFIED, WIRE SIZE MUST BE 25 mm².
(2) CIRCUIT SHOWN BY CHAIN DOUBLE - DASHED LINE | ——— | MUST BE OPTIONAL CIRCUIT.

Black	Red	Green	Yellow	Blue	White	Brown	Light green
B	R	G	Y	L	W	Br	Lg

CAT

Schematic No.	User for	Truck No.	Serial No.
ES009-67100	99709-67100	DP60	T20C-20001-up
		DP70	T20C-70001-up

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