

TRANSMISSION CONTROL VALVE

REMOVAL



Warning! Stop the machine on level ground and install the safety bar on the frame. Lower the bucket to the ground and stop the engine. Then apply the parking brake and put blocks under the wheels to prevent the machine from moving.



Warning! Disconnect the cable from the negative (-) terminal of the battery.

1. Ladder
Remove the left ladder (1).



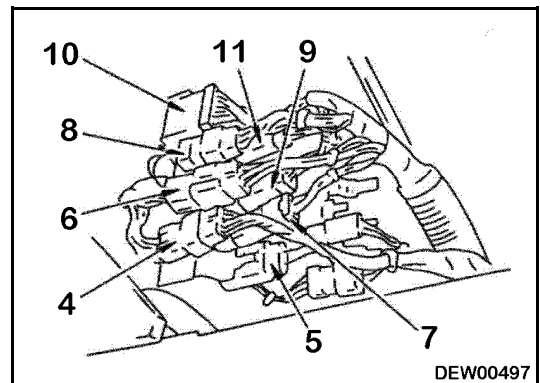
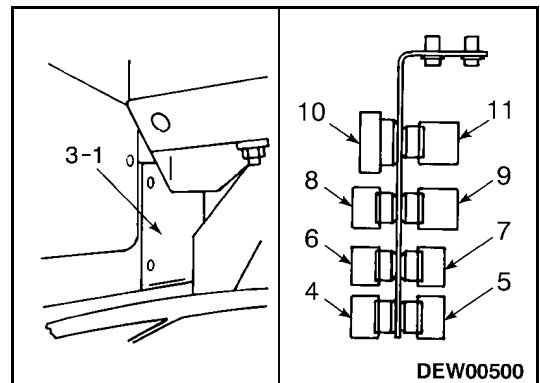
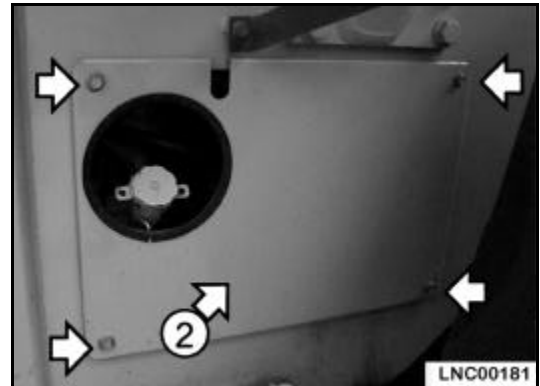
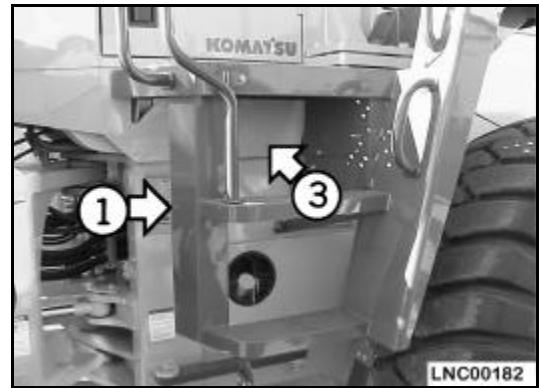
Ladder (left): 66 kg (145.5 lb)

2. Covers
 - 1) Remove the left side cover (2) (four bolts) of the rear frame.
 - 2) Remove the bottom cover (3) of the cab.
 - 3) Remove the front cover (3-1) of the bulkhead.

3. Electric wiring
 - i Mark with tags upon disconnecting the connectors to distinguish them on installation.

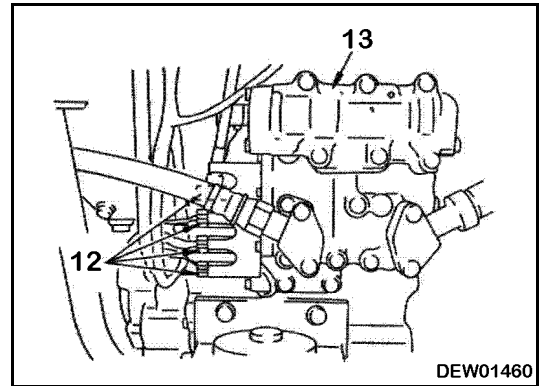
Disconnect the following electric wiring.

- 1) Disconnect wiring TL1 (4) and TL2 (5) for the transmission.
- 2) Disconnect floor wiring harnesses LR5 (6), LR6 (7), LR3 (8), LR4 (9), LR1 (10) and LR2 (11).
- 3) Disconnect the solenoid valve wiring (12) of the transmission control valve at the connector.
 - i Mark with tags upon disconnecting the connectors to distinguish them on installation.



4. Modulating valve

Remove the mount bolts of the modulating valve (13), then remove valve.



5. Hydraulic piping

1) Disconnect hose (14) between the transmission, torque converter pump and flow valve at flow valve end.



2) Disconnect hose (15) between the flow valve and the transmission oil filter at flow valve end.



3) Disconnect hose (16) between the transmission oil filter and the transmission control valve at the control valve end.



4) Disconnect hose (17) between the transmission control valve and the cooler at the control valve end.



5) Disconnect hose (18) for the emergency cancel parking brake at the transmission control valve end.
i Fit blind plugs in the hoses to prevent entry of dirt or dust.

6. Remove the flow valve (19) from the transmission case.

