



## UPPERSTRUCTURE / Control Valve

### Removal


1. Open engine cover (1) and lock.  
Remove bolts (3) (6 used) to remove cover (2) on the top of control valve from the main frame.


 : 17 mm


 : 50 N·m (5.1 kgf·m, 37 lbf·ft)


**IMPORTANT: Cap the ends of all disconnected hoses and pipes, and attach labels or tags, to aid when reassembling.**

2. Disconnect all hoses and pipes from signal control valve (4) (Refer to W2-9-1)


 : 17 mm


 : 25 N·m (2.5 kgf·m, 18 lbf·ft)

 : 19 mm

 : 29.5 N·m (3 kgf·m, 21.5 lbf·ft)


3. Remove bolts (6) (3 used) to remove signal control valve (4) with bracket (5) from control valve (7).


 : 22 mm


 : 140 N·m (14.3 kgf·m, 103 lbf·ft)


**IMPORTANT: Cap the ends of all disconnected hoses and pipes, and attach labels or tags, to aid when reassembling.**


4. Disconnect all hoses, pipes and connectors from the control valve.


 : 17 mm

 : 9.8 N·m (1 kgf·m, 7.2 lbf·ft)


 : 19 mm


 : 29.5 N·m (3 kgf·m, 21.5 lbf·ft)


 : 36 mm

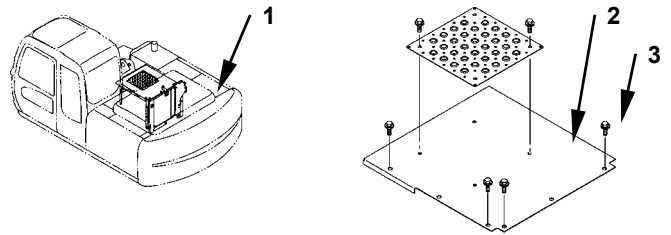
 : 175 N·m (18 kgf·m, 129 lbf·ft)

 : 6 mm

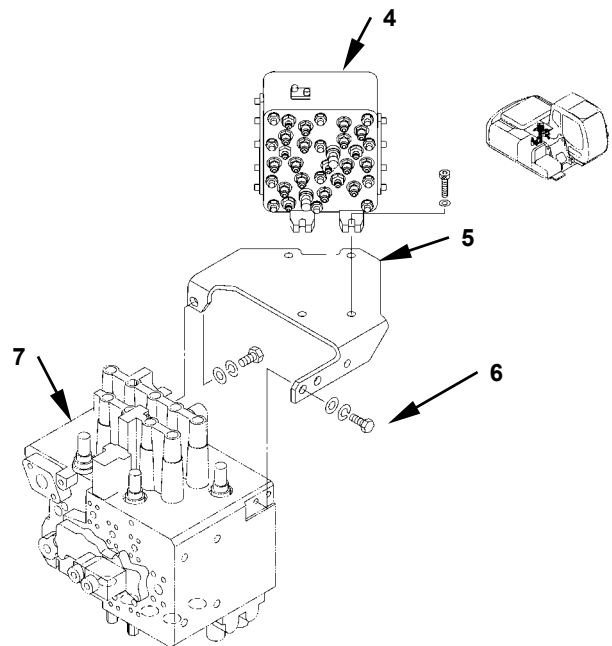
 : 20 N·m (2 kgf·m, 14.5 lbf·ft)

 : 8 mm

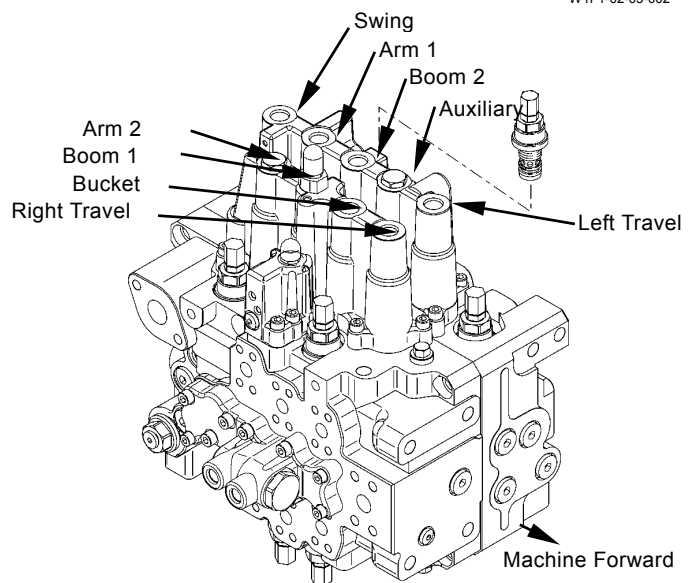
 : 50 N·m (5.1 kgf·m, 37 lbf·ft)



W1F1-02-05-001



W1F1-02-05-002



T176-03-03-038