PART NO. W18L-E-00

HITACHI

Workshop Manual

EX

2500-6

Hydraulic Excavator

Service Manual consists of the following separate Part No.

Technical Manual (Operational Principle)	: Vol. No.TO18L-E
Technical Manual (Troubleshooting)	: Vol. No.TT18L-E
Workshop Manual	: Vol. No.W18L-E

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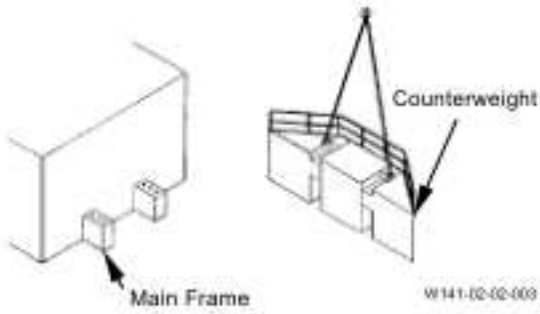
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Installation

CAUTION: Counterweight weight: 30700 kg (67690 lb)

1. Install a shackle and a wire into a hole on the side of the counterweight. (2 places)
   Hoist the counterweight.

2. Place the counterweight onto the main frame while aligning the bolt holes on counterweight and main frame.



CAUTION: Bolt (17) weight: 22 kg (50 lb)

IMPORTANT: Apply lubricant onto bolt (17).
Install washer (18) to bolt (17) with the chamfered side inside washer (18) facing to the bolt (17) head.

3. Install washer (18) to bolt (17). Wind a nylon sling onto the neck of bolt (17). Hoist and insert bolt (17) in to the bolt hole. (6 places)

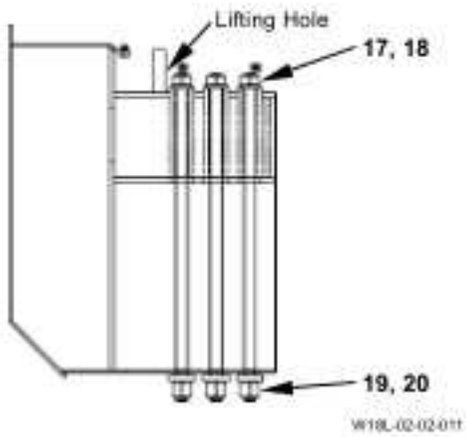
IMPORTANT: Install washer (20) to bolt (17) with the groove surface facing downward.

4. Temporarily tighten washers (20) (6 used) and U-nuts (19) (6 used) to bolts (17) (6 used).

5. Tighten bolts (17) (6 used).
   : 75 mm
   : 5150 N·m (525 kgf·m, 3800 lbf·ft)



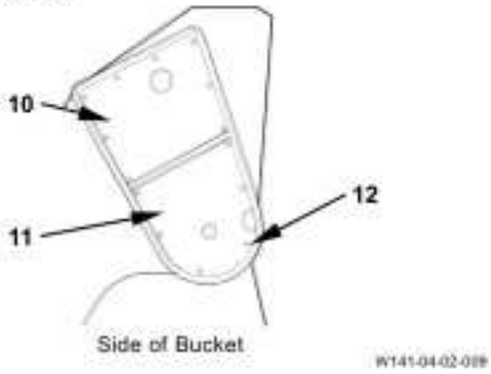
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Removal

1. Remove bolts (12) (14 used) from covers (10, 11). Remove covers (10, 11) from the side of bucket.
   : 19 mm



2. Remove the lubrication hoses (4 used) from the dump cylinder.
   : 19 mm

CAUTION: Dump cylinder weight: 430 kg (950 lb)

3. Attach a nylon sling onto the dump cylinder. Hoist and hold the dump cylinder.

4. Remove socket bolts (2) (5 used) from lock plate (1) at the rod side. Remove lock plate (1) from the bucket.
   : 19 mm

CAUTION: Pin (3) weight: 34 kg (75 lb)

5. Remove pin (3) to the position where the dump cylinder can be removed from the bucket. Attach a nylon sling onto the body of pin (3). Hoist and remove pin (3) from the bucket.

6. Start the engine and retract the rod. Secure the rod part to the cylinder tube by using a wire in order not to extend the rod.

7. Stop the engine. Release the pressure in the hydraulic oil tank. Operate the control lever several times and release the remaining pressure in the circuit. (Refer to BLEED AIR FROM HYDRAULIC OIL TANK on W1-4-1.)

8. Remove the hydraulic hoses (4 used) from the dump cylinder side. Install the plated plug to the open end.
   : 10 mm, 12 mm

9. Remove bolts (5) (3 used) and spring washers (6) (3 used) from stopper (4) at the bottom side. Remove stopper (4) from the bucket.
   : 24 mm

10. Remove O-ring (9) from stopper (4).

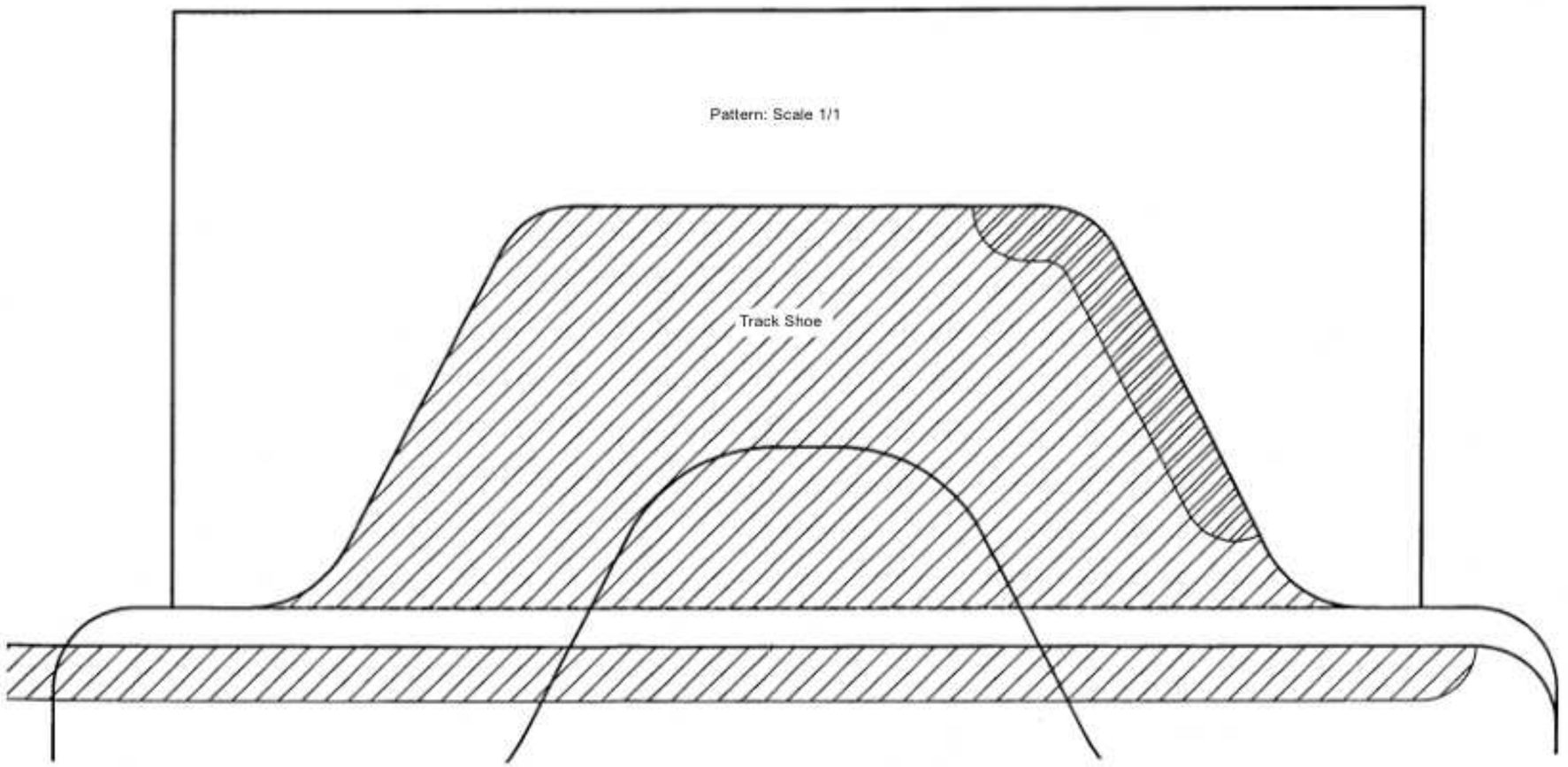
CAUTION: Pin (8) weight: 44 kg (100 lb)

11. Remove pin (8) to the position where the dump cylinder can be removed from the bucket. Attach a nylon sling onto the body of pin (8). Hoist and remove pin (8) from the bucket.

12. Hoist and remove the dump cylinder. Remove spacers (7) (2 used) from the pin hole.

13. Remove the other cylinder in the same way.

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