PART NO. W18M-E-00

HITACHI

Workshop Manual

EX

3600-6

Hydraulic Excavator

Service Manual consists of the following separate Part No.

Technical Manual (Operational Principle)	: Vol. No.TO18M-E
Technical Manual (Troubleshooting)	: Vol. No.TT18M-E
Workshop Manual	: Vol. No.W18M-E

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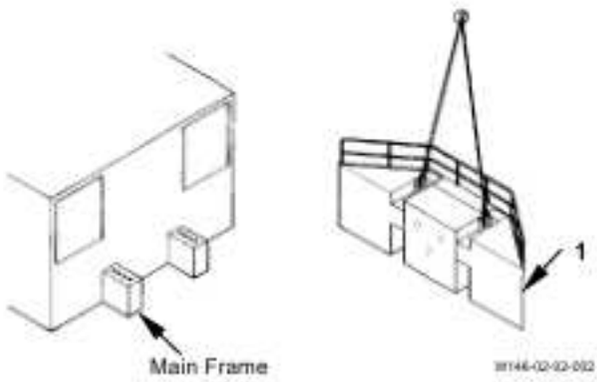
Installation

CAUTION: Shackle (7) weight: 42 kg (93 lb)

1. Attach a wire rope onto shackle (7). Hoist shackle (7). Install shackle (7) to the top of counterweight (1). (2 places)

CAUTION: Counterweight (1) weight: 40760 kg (89860 lb)

2. Attach a wire rope onto shackles (7) (2 used). Hoist counterweight (1). Align the bolt holes and place counterweight (1) onto the main frame.

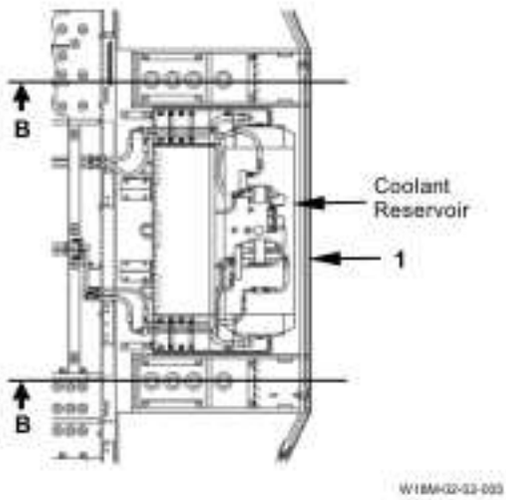


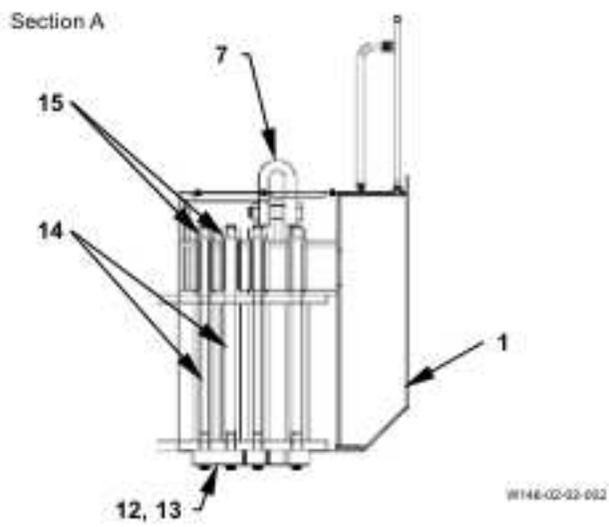
CAUTION: Bolt (14) weight: 27 kg (60 lb)

IMPORTANT: Apply lubricant to bolt (14) before installation.

3. Install counterweight (1) with bolts (14) (4 used) and washers (15) (4 used).
   : 85 mm
   : 6860 N·m (700 kgf·m, 5060 lbf·ft)

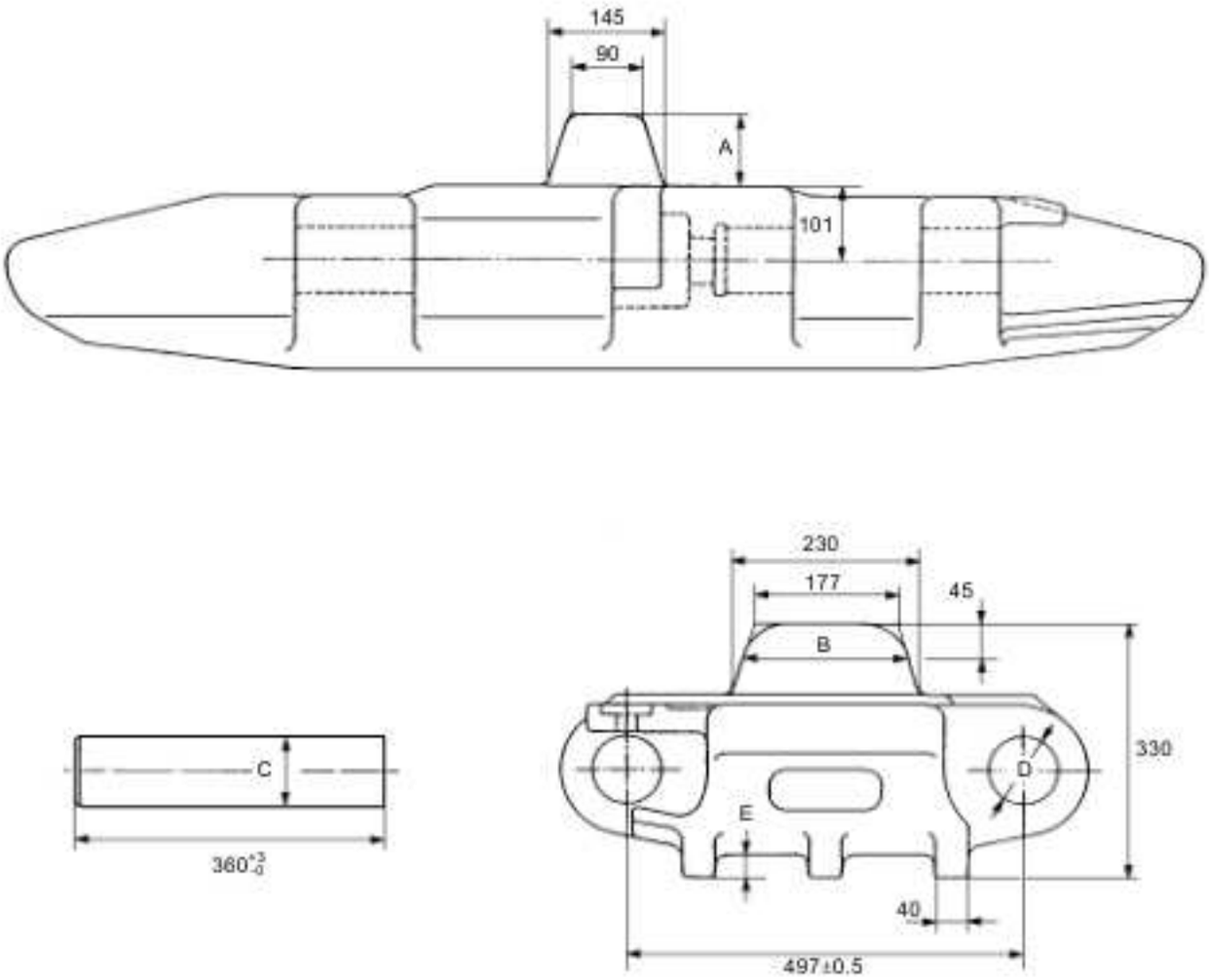
4. Install stoppers (12) (2 used) to counterweight (1) with bolts (13) (2 used).
   : 19 mm
   : 90 N·m (9 kgf·m, 65 lbf·ft)





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MAINTENANCE STANDARD



W115-03-03-003

Unit: mm (in)

Item	Standard Dimensions	Allowable Wear Limit	Remedy
A: Tread (Height)	90 (3.5)	[105 (4.1)]	Finish
B: Claw Length	203 (8.0)	[185 (7.3)]	Finish
C: Pin (Outer Diameter)	85 $^{-0.3}_{-0.4}$ (3.3 $^{-0.01}_{-0.02}$)	[80 (3.1)]	Replace or use the oversize pin
D: Pin (Inner Diameter)	85 $^{+0.5}_{+0.2}$ (3.3 $^{+0.02}_{+0.008}$)	[90 (3.5)]	Use the oversize pin
E: Grouser (Height)	30 (1.2)	0	Finish
F: Shoe (Pitch)	*1491 (59)	*1530 (60.2)	Replace with the oversize pin

*: The mark shows dimensions across three shoes.

NOTE: If welding is required for repair, refer to "Welding Repair Procedure" (W3-11-1). Values in [ ] are for reference only.

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