Manual No. : KM-18GE
Vol. No. : W18G-E-00

Workshop Manual

EX8000
Excavator

Service Manual (Manual No. KM-18GE) consists of the following three separate volumes;

Technical Manual (Operational Principle)	: Vol. No. TO18GE
Technical Manual (Troubleshooting)	: Vol. No. TT18GE
Workshop Manual	: Vol. No. W18GE

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CAUTION: Sub weight (10) weight: 10000 kg (22050 lb)
7.0 t (15440 lb) shackle weight: 26 kg (57 lb)

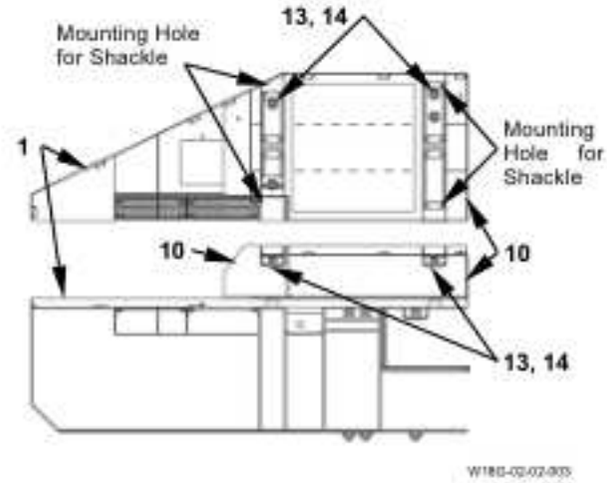
5. Install the shackles (4 used) to sub weight (10). Attach a rope onto the shackle. Hoist the shackle and align with the mounting hole on right counterweight (1).

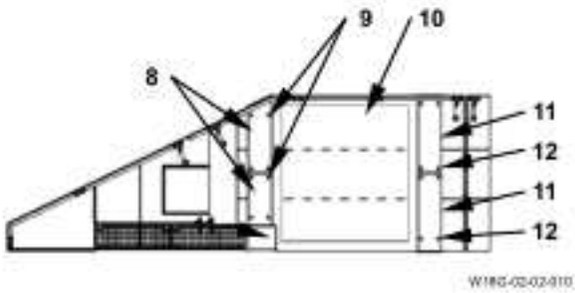
NOTE: 5.4 t (11910 lb) shackle: (4048488)
7.0 t (15440 lb) shackle: (4048490)

6. Remove the shackles (4 used). Install sub weight (10) to right counterweight (10) with bolts (13) (4 used) and washers (14) (4 used).
   : 85 mm
   : 6860 N·m (700 kgf·m, 5060 lbf·ft)

7. Install covers (8) (2 used) and (11) (2 used) to sub weight (10) with bolts (9, 12) (16 used).
   : 19 mm
   : 90 N·m (9.2 kgf·m, 66 lbf·ft)

8. Install left counterweight (16) in the same procedures.





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Removal

1. Remove bolts (3) (6 used). Remove plate (4) from box (2).
   : 17 mm
2. Remove bolts (5) (4 used). Remove cover (6) from box (2).
   : 17 mm
3. Remove connectors (1) (3 used) from block valve (9).
4. Remove hoses (7) (8 used) from block valve (9). Cap the open ends. Attach an identification tag onto the removed hoses for assembling.
   : 22 mm

CAUTION: Block valve (9) weight: 50 kg (110 lb)

5. Remove socket bolts (8) (2 used). Remove block valve (9) from box (2).
   : 8 mm

Installation

CAUTION: Block valve (9) weight: 50 kg (110 lb)

1. Install block valve (9) onto box (2) with socket bolts (8) (2 used).
   : 8 mm
   : 50 N·m (5.1 kgf·m, 37 lbf·ft)
2. Install hoses (7) (8 used) onto block valve (9).
   : 22 mm
   : 39 N·m (4.0 kgf·m, 28.5 lbf·ft)
3. Install connectors (1) (3 used) in block valve (9).
4. Install cover (6) to box (2) with bolts (5) (4 used).
   : 17 mm
   : 50 N·m (5.0 kgf·m, 37 lbf·ft)
5. Install plate (4) onto box (2) with bolts (3) (6 used).
   : 17 mm
   : 50 N·m (5.0 kgf·m, 37 lbf·ft)

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