



Service Manual

Chassis, Mast, & Options

EP10KRT PAC ETB10A-00011-up

EP12KRT PAC ETB10A-20001-up

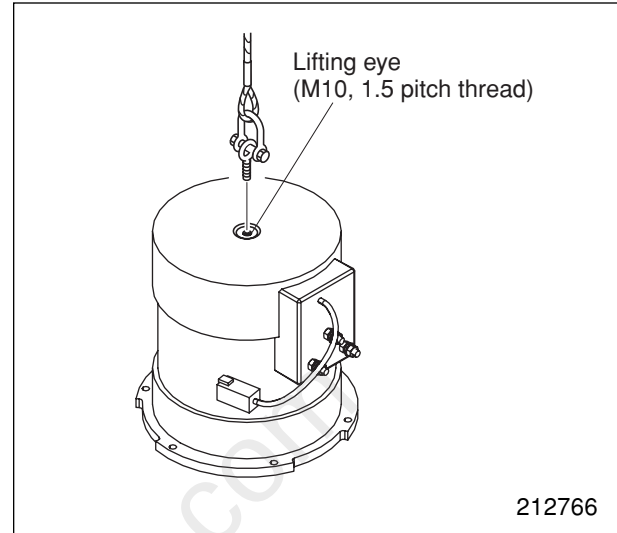
EP15KRT PAC ETB10A-50001-up

Removal and Installation

Drive Motor

Removal

- (1) Park the truck on a flat surface in the service area.
- (2) Turn off (press) the battery switch, then disconnect the battery cable by detaching the plug from the jack on the side of the battery box.
- (3) Remove the battery cover.
- (4) Remove the rear cover.
- (5) Disconnect all the cables and harnesses. Put marks as necessary to facilitate reconnection.
- (6) Screw an eyebolt (M10, 1.5 pitch) into the motor shaft and attach it to a hoist using a sling.
- (7) Remove the six motor mounting bolts (hex socket bolts), then hoist away the motor from the truck.



Installation

Follow the removal sequence in reverse while respecting the following instructions.

- (1) Apply molybdenum grease to the splines on the shaft.
- (2) When installing the motor on the truck, use guide bolts while making sure each section of the motor faces in the correct direction.
- (3) Tighten the motor mounting bolts to the following torque.

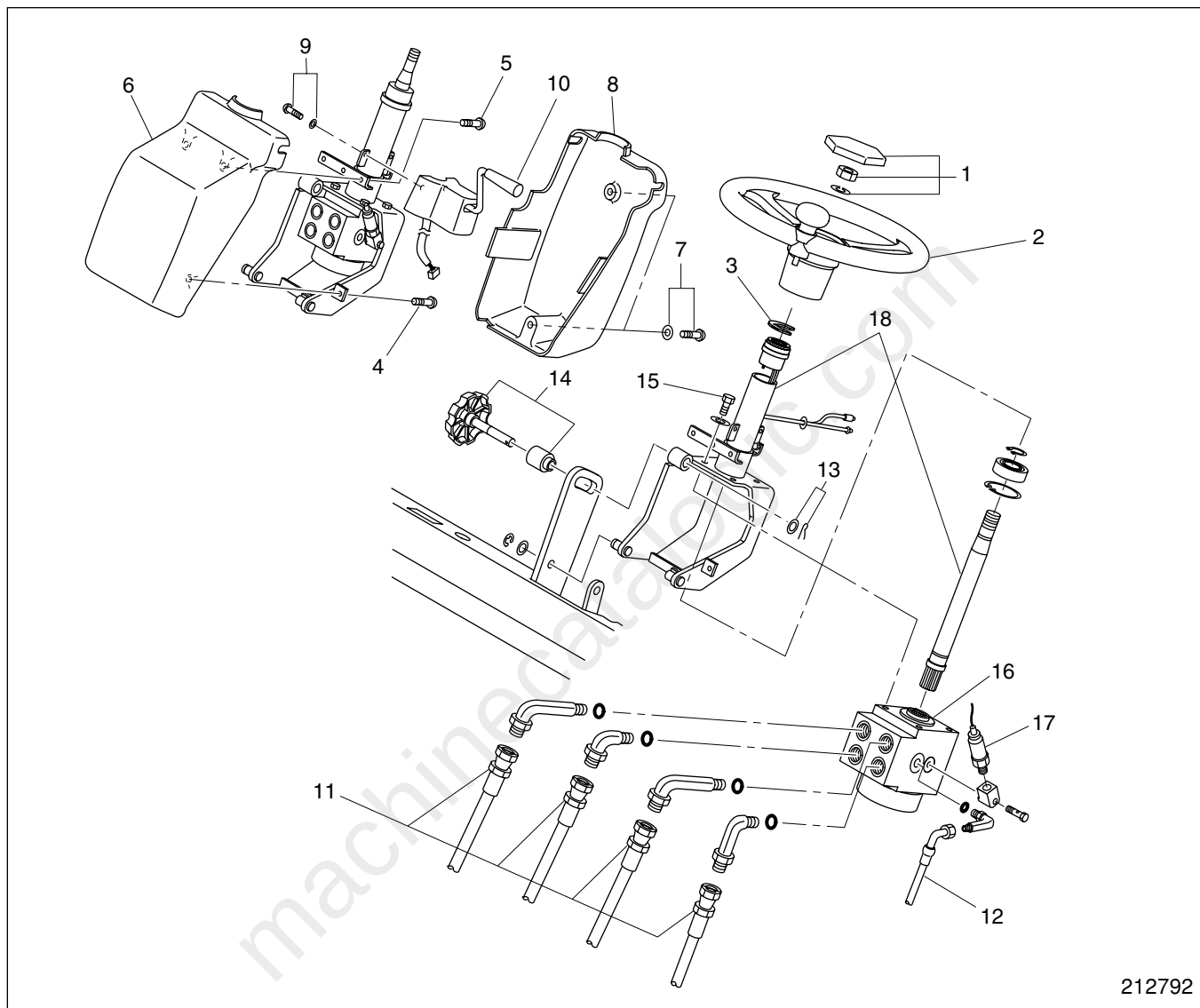
Tightening torque	38.1 N·m (3.9 kgf·m)
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- (4) Install the terminal of each cable such that it does not interfere with another.
- (5) Each cable terminal should be properly covered with a boot.

Removal and Installation

Steering Column Assembly

Removal



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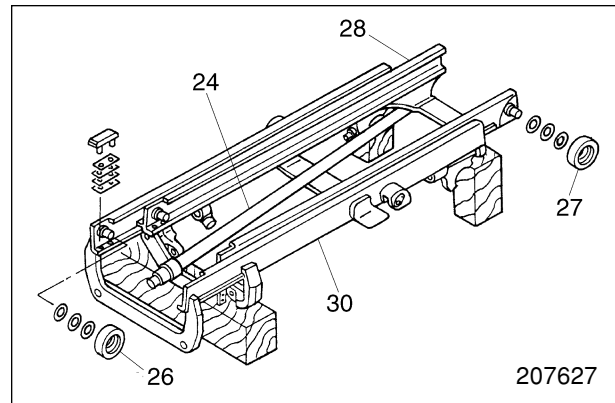
Sequence

- | | | | |
|---|---------------------------------|----|--------------------------|
| 1 | Horn button, Nut, Spring washer | 10 | F·N·R lever assembly |
| 2 | Steering wheel | 11 | Steering hydraulic lines |
| 3 | Carbon washer | 12 | LS pressure line |
| 4 | Tapping screw | 13 | Split pin, Plain washer |
| 5 | Tapping screw | 14 | Knob bolt, Spacer |
| 6 | Front cover | 15 | Bolt |
| 7 | Machine screw | 16 | Steering valve assembly |
| 8 | Rear cover | 17 | Pressure switch |
| 9 | Machine screw, Washer | 18 | Column assembly |

MAST AND FORK

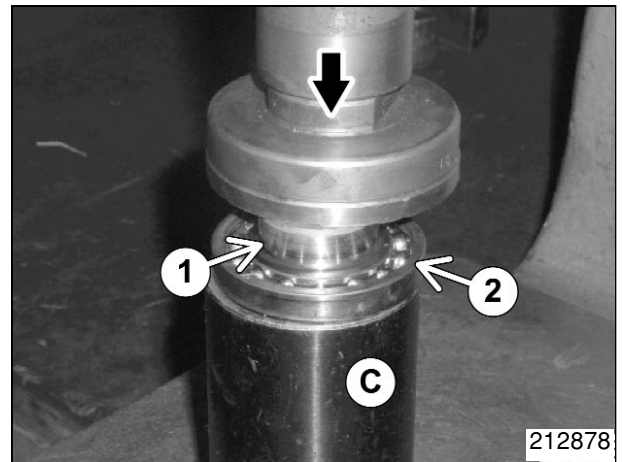
4. Removing main rollers 26, 27 from middle mast 28 and outer mast 30

Remove the bolts that are holding second lift cylinders 24. Place the cylinder rod ends on the outer mast. Lower middle mast 28 until main rollers 26, 27 can be removed. Then, remove the main rollers.

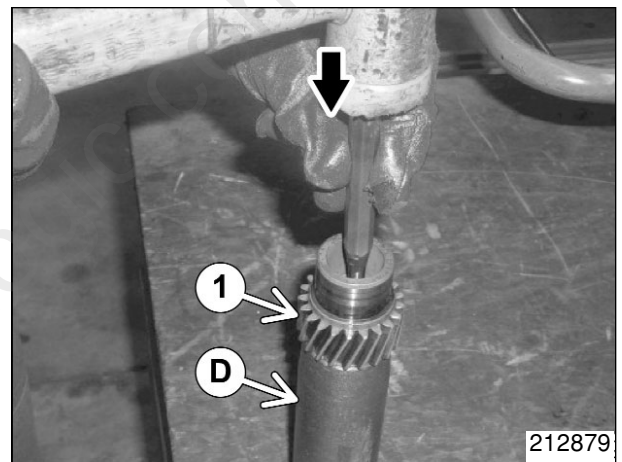


10. Single Component Removal

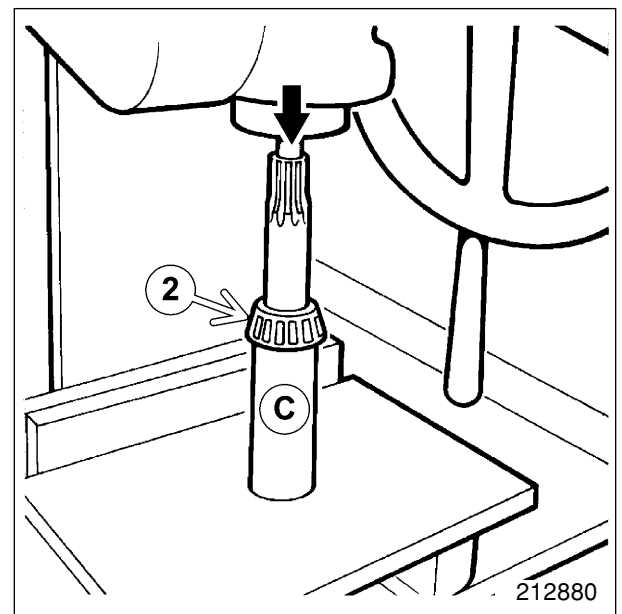
- (1) Put the removed assembly of drive pinion 1 and bearing 2 onto the sleeve C and place them together under a hand lever press.
- (2) Using the press, force the drive pinion into the sleeve, to separate it from the bearing.



- (3) With the sealing cap faced downwards, put the drive pinion 1 onto the sleeve D. Use a suitable tool to loosen and remove the sealing cap.



- (4) Using the sleeve C, press the bevel pinion shaft to separate the bearing inner ring 2 from the shaft.



Full Version Available

Caterpillar EP10KRT PAC Forklift Service Manual (99759-6G100)

Caterpillar EP10KRT PAC service manual, covers traction drive, hydraulics, mast, brakes, and wiring diagnostics in PDF. Instant download.

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