

# WSM

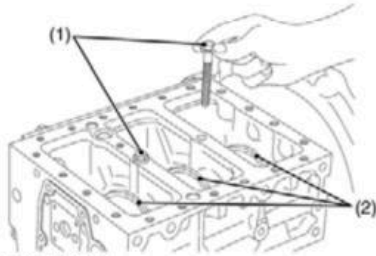
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WORKSHOP MANUAL  
**TRACTOR**

**STV32,STV36,STV40**

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**Kubota**

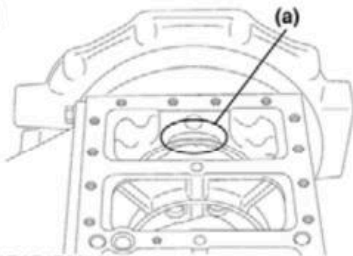


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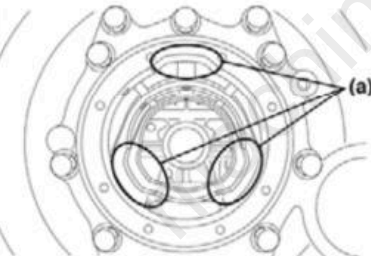
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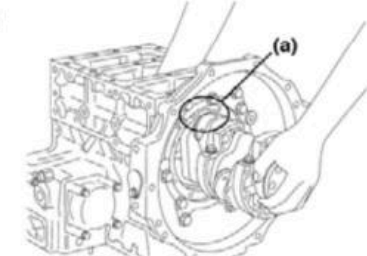
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Crankshaft

■ **NOTE**

- Before disassembling, check the side clearance of crankshaft. Also check it during reassembling.

**For D1503-M, D1703-M**

1. Remove the main bearing case screw 2 (1).
2. Pull out the crankshaft assembly, taking care not to damage the crankshaft bearing 1 (3).

**For D1803-M**

1. Remove the main bearing case screw 2 (1).
2. Turn the crankshaft to set the crank pin of the third cylinder to the bottom dead center. Then draw out the crankshaft until the crank pin of the second cylinder comes to the center of the third cylinder.
3. Turn the crankshaft by 2.09 rad (120 °) counterclockwise to set the crank pin of the second cylinder to the bottom dead center. Draw out the crankshaft until the crank pin of the first cylinder comes to the center of the third cylinder.
4. Repeat the above steps to draw out all the crankshaft.

**(When reassembling)**

■ **IMPORTANT**

- Install the crankshaft sub assembly, aligning the screw hole of main bearing case 2 (2) with the screw hole of cylinder block.
- When tightening the main bearing case screw 2 (1), apply oil to the screw and screw by hand before tightening the specific torque.

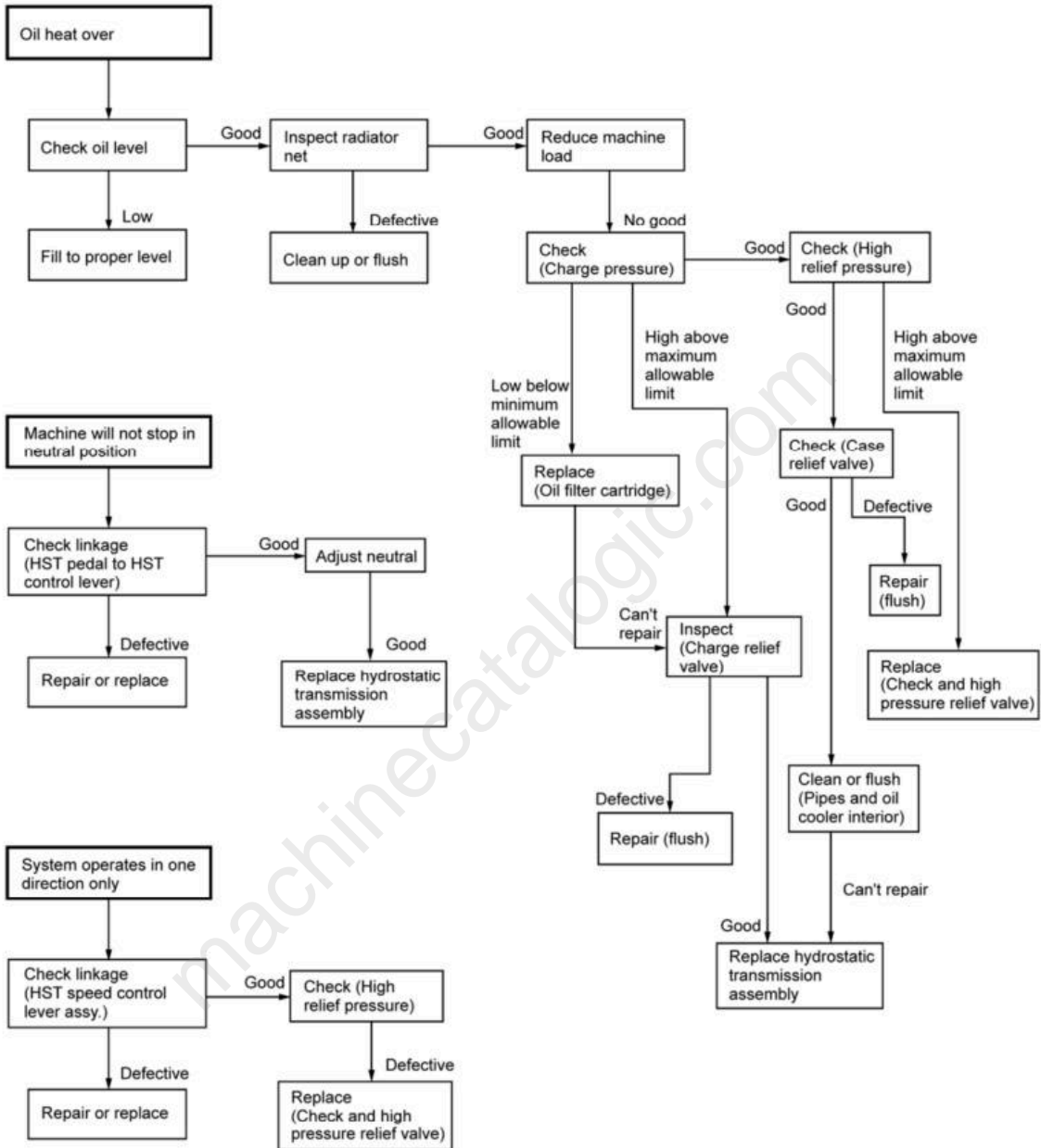
If not smooth to screw by hand, align the screw holes between the cylinder block and the main bearing case.

| Tightening torque | Main bearing case screws 2 | 68.6 to 73.5 N·m<br>7.0 to 7.5 kgf·m<br>50.6 to 54.2 ft·lbs |
|-------------------|----------------------------|---|
|                   |                            |   |

- (1) Main Bearing Case Screw 2
- (2) Main Bearing Case 2
- (3) Crankshaft bearing 1

- (a) Cut place for removing and installing the crankshaft
- [A] D1803-M

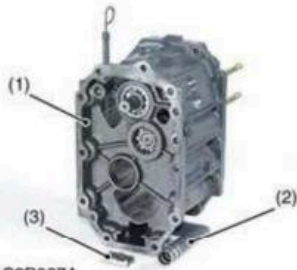
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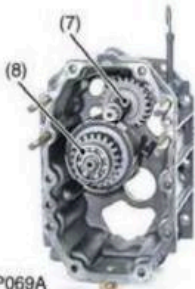
**(3) Mid Case**



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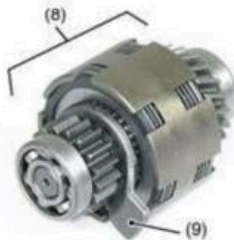
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Removing Hydraulic PTO Clutch

1. Remove the magnet (3) and inlet pipe (2).
2. Remove the external snap rings (4) (6) and collar (5) on the 24T gear shaft (7).
3. Tap out the 24T gear shaft (7) with the hydraulic PTO clutch assembly (8).

**(When reassembling)**

- Install the hydraulic clutch assembly (8) so that the stopper (9) enters a range **R**.
- Be sure to fix the magnet (3).

- |                        |                               |
|------------------------|-------------------------------|
| (1) Mid Case           | (7) 24T Gear Shaft            |
| (2) Inlet Pipe         | (8) Hydraulic Clutch Assembly |
| (3) Magnet             | (9) Stopper                   |
| (4) External Snap Ring |                               |
| (5) Collar             |                               |
| (6) External Snap Ring |                               |

**R: Range**

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### 3. TIGHTENING TORQUES

Tightening torques of screws, bolts and nuts on the table below are especially specified.  
(For general use screws, bolts and nuts : See page G-9.)

| Item  | N·m            | kgf·m        | ft-lbs        |
|---|----------------|--------------|---------------|
| Joint screw (Power steering delivery hose)    | 49.0 to 58.8   | 5.0 to 6.0   | 36.2 to 43.4  |
| Joint screw (Bi-speed delivery pipe)          | 34.3 to 39.2   | 3.5 to 4.0   | 25.3 to 28.9  |
| Joint screw (Regulator delivery pipe)         | 39.2 to 49.0   | 4.0 to 5.0   | 28.9 to 36.2  |
| Regulator valve mounting screw                | 17.7 to 20.6   | 1.8 to 2.1   | 13.0 to 15.2  |
| Pump cover mounting screw                     | 39.2 to 44.1   | 4.0 to 4.5   | 28.9 to 32.5  |
| PTO delivery hose retaining nut               | 15 to 17       | 1.5 to 1.75  | 10.8 to 12.7  |
| Bi-speed delivery pipe retaining nut          | 30 to 49       | 3.0 to 5.0   | 21.7 to 36.2  |
| Bi-speed valve retaining screw                | 23.5 to 27.5   | 2.4 to 2.8   | 17.4 to 20.3  |
| Rod joint screw (steering cylinder)           | 123.6 to 147.1 | 12.6 to 15.0 | 91.1 to 108.5 |
| Position control valve mounting screw         | 20 to 24       | 2.0 to 2.4   | 14.5 to 17.4  |
| Hydraulic cylinder cover mounting screw (M10) | 39.2 to 44.1   | 4.0 to 4.5   | 28.9 to 32.5  |
| Hydraulic cylinder cover mounting screw (M8)  | 17.7 to 20.6   | 1.8 to 2.1   | 13.0 to 15.2  |
| Relief valve plug                             | 39.2 to 49.0   | 4.0 to 5.0   | 28.9 to 36.2  |

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# Full Version Available

Kubota STV40 Tractor Workshop Manual

This is a short preview. The complete manual contains all chapters, wiring diagrams, torque specifications and full service procedures.

**VIEW THE FULL MANUAL**

<https://machinecatalogic.com/kubota-stv40-tractor-workshop-manual/>