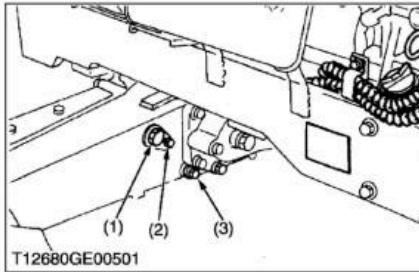


WSM

WORKSHOP MANUAL
TRACTOR

**M9000DT-M
(SUPPLEMENT)**

Кубота



Changing Front Differential Case Oil

1. To drain the used oil, remove the drain plug (3) and oil inlet port plug (1) at the front differential case and drain the oil completely into the oil pan.
2. After draining reinstall the drain plug (3).
3. Remove the oil level check plug (2).
4. Fill with the new oil up to the lower rim of check plug port.
(See page MG-2)
5. After filling reinstall the oil inlet port plug (1) and check plug (2).

Oil Capacity	Standard	6.0 L 6.3 U.S.qts. 5.3 Imp.qts.
	With 80 in. wide axle	7.0 L 7.3 U.S.qts. 6.2 Imp.qts.

(1) Oil Inlet Port Plug
(2) Check Plug

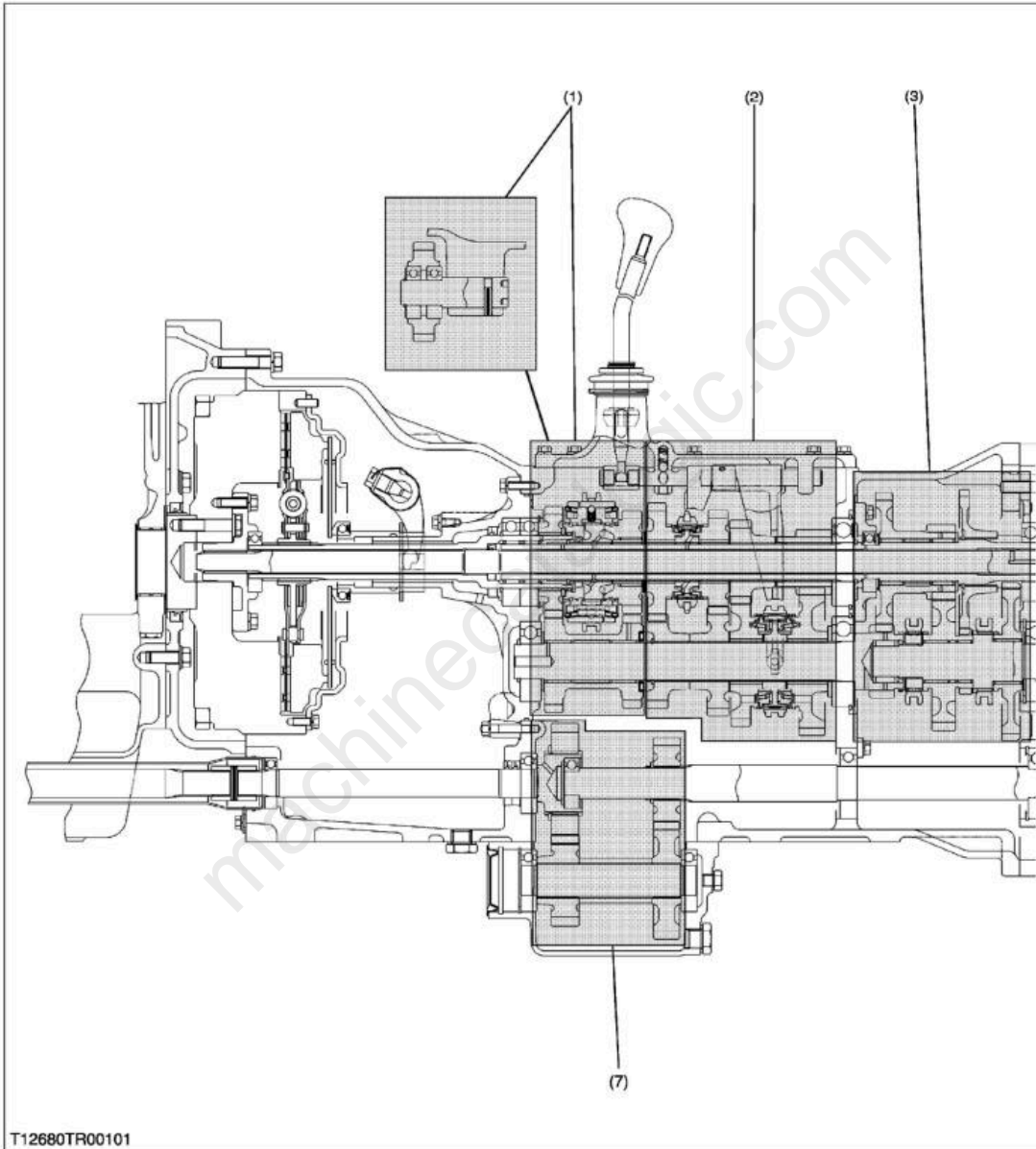
(3) Drain Plug

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3. TRANSMISSION

[1] MECHANISM

(1) Structure



T12680TR00101

(1) Shuttle Shift Section (Forward-Reverse)
(2) Main Gear Shift Section

(3) Hi-Lo, Creep Shift Section

(4) PTO Clutch Section

[2] SERVICING**(1) Servicing specifications**

Item		Factory Specification	Allowable Limit
Shuttle Rod	Length	268 mm 10.55 in.	—
Auxiliary Shift Rod L1	Length	Approx. 318 mm 12.52 in.	—
Auxiliary Shift Rod L2	Length	Approx. 250 mm 9.84 in.	—

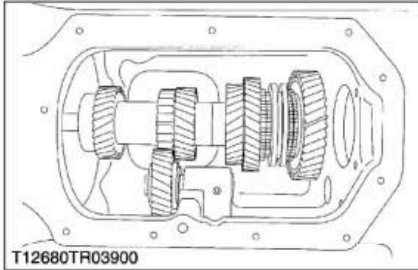
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(2) Tightening Torques

Tightening torques of screws, bolts and nuts on the table below are especially specified.
(For general use screws, bolts and nuts : See page G-11.)

Item	N·m	kgf·m	ft·lbs
Main delivery pipe and return pipe retaining nut	46.6 to 50.9	4.8 to 5.2	34.4 to 37.6
Turning delivery hose retaining nut	24.5 to 29.4	2.5 to 3.0	18.1 to 21.7
Steering controller mounting screws	48.1 to 55.8	4.9 to 5.7	35.5 to 41.2
Starter's terminal B mounting nut	8.8 to 11.8	0.9 to 1.2	6.5 to 8.7
Gear case mounting screw	48.1 to 55.8	4.9 to 5.7	35.4 to 41.2
Engine and clutch housing mounting screw, nut	77.5 to 90.2	7.9 to 9.2	57.1 to 66.5
Engine and clutch housing mounting stud bolt	38.2 to 45.1	3.9 to 4.6	28.2 to 33.3
Rear wheel mounting nut	260 to 304	26.5 to 31.0	192 to 224
ROPS mounting screw M16 grade 9 screw	260 to 304	26.5 to 31.0	192 to 224
Pedal frame mounting screw	77.5 to 90.1	7.9 to 9.2	57.2 to 66.5
Transmission case and clutch housing mounting screw	77.5 to 90.1	7.9 to 9.2	57.2 to 66.5
Transmission case and clutch housing mounting nut	103.0 to 117.7	10.5 to 12.0	76.0 to 86.8
Speed change cover mounting screw	23.5 to 27.4	2.4 to 2.8	17.4 to 20.3
Release fork setting screw	166.7 to 186.3	17.0 to 19.0	122.9 to 137.4
Bearing holder 1 mounting screw and nut	23.5 to 27.4	2.4 to 2.8	17.4 to 20.2
Bearing holder 2 mounting screw	77.5 to 90.1	7.9 to 9.2	57.2 to 66.5
Bearing holder 3 mounting screw	23.6 to 27.4	2.4 to 2.8	17.4 to 20.2

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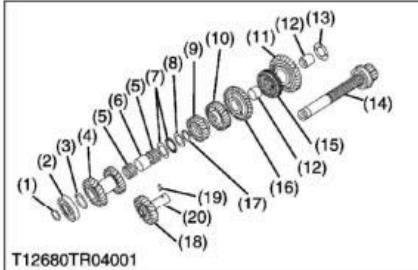


18T Gear Shaft and 25T Idle Gear

1. Remove the external snap ring (1) and ball bearing (2).
2. Take out the 25T-23T gear (4).
3. Remove the external snap ring (17).
4. Tap out the 18T gear shaft (14) to the rear side.
5. Tap out the spring pin (19).
6. Tap out the 25T idle gear shaft (20) with gear (18).

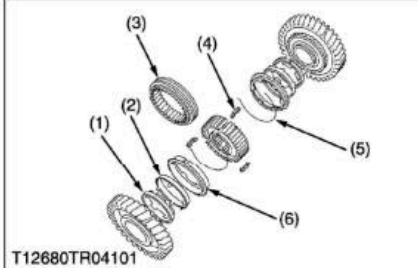
(When reassembling)

- Apply molybdenum disulfide (Three Bond 1901 or equivalent) to inner surface of 32T gear (16) and 37T gear (11).
- Direct the grooved side of thrust collar (13) to the gear side.



- | | |
|---------------------------|--------------------------|
| (1) External Snap Ring | (11) 37T Gear |
| (2) Bearing | (12) Inner Race |
| (3) Collar | (13) Thrust Collar |
| (4) 25T-23T Gear | (14) 18T Gear Shaft |
| (5) Needle Bearing | (15) Synchronizer Unit |
| (6) Collar | (16) 32T Gear |
| (7) Thrust Needle Bearing | (17) External Snap Ring |
| (8) Thrust Collar | (18) 25T Idle Gear |
| (9) 23T Gear | (19) Spring Pin |
| (10) 27T Gear | (20) 25T Idle Gear Shaft |

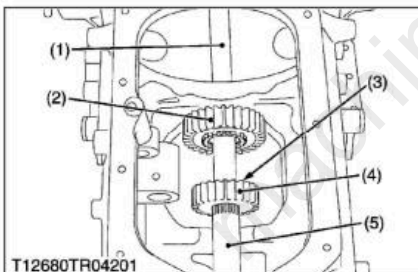
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Synchronizer Unit

- | | |
|-----------------------------|-----------------------------|
| (1) Inner Synchronizer Ring | (4) Synchronizer Key |
| (2) Center Ring | (5) Synchronizer Key Spring |
| (3) Shifter | (6) Outer Synchronizer Ring |

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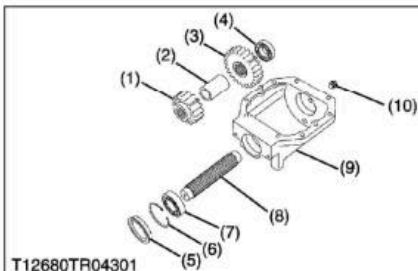


DT Propeller Shaft

1. Remove the external snap ring (3).
2. Pull out the propeller shaft 1 (5) to the rear side.
3. Remove the propeller shaft 2 (1) with 28T gear (2) to the transmission case upper side.

- | | |
|------------------------|-----------------------|
| (1) Propeller Shaft 2 | (4) 24T Gear |
| (2) 28T Gear | (5) Propeller Shaft 1 |
| (3) External Snap Ring | |

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Gear Case

1. Remove the plug (5) and internal snap ring (6).
2. Remove the screw (10).
3. Tap out the shaft (8) to the front side.
4. Take out the 20T gear (1) and 31T gear (3).

- | | |
|--------------|------------------------|
| (1) 20T Gear | (6) Internal Snap Ring |
| (2) Collar | (7) Bearing |
| (3) 31T Gear | (8) Shaft |
| (4) Bearing | (9) Gear Case |
| (5) Plug | (10) Screw |

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Full Version Available

Kubota M9000DT-M Tractor Workshop Manual (Supplement)

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

[VIEW THE FULL MANUAL](#)