PART NO. W11C5-E-01

HITACHI

Workshop Manual

ZW

550

Wheel Loader

Service Manual consists of the following separate Part No.

Technical Manual (Operational Principle)	: Vol. No.TO11C5-E
Technical Manual (Troubleshooting)	: Vol. No.TT11C5-E
Workshop Manual	: Vol. No.W11C5-E

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Torque Converter Assembly

Torque converter removing and installing

Torque converter removing

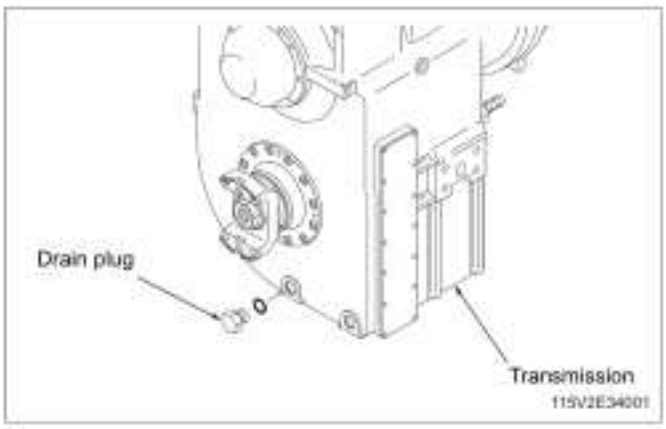
⚠ WARNING

Unexpected movement of the machine could cause an accident resulting in injury or death. To prevent such an accident, observe the following items:
- Park the machine on level ground.
- Lower the attachment onto the ground, and then block the tires with chocks to prevent the wheels from moving.
- Disconnect the ground cable from the negative side of the battery.

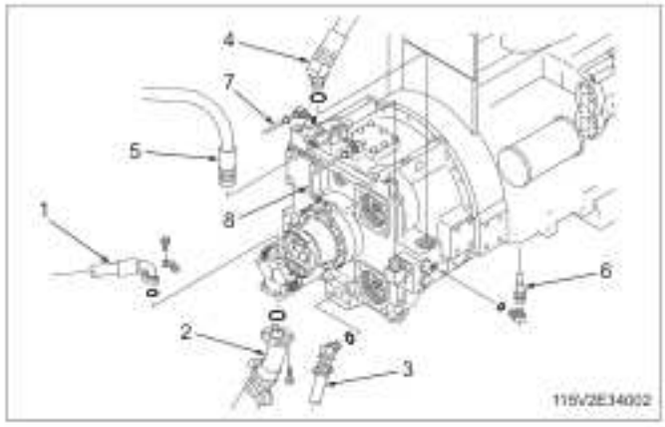
IMPORTANT

If a battery terminal is removed from a machine in less than 30 seconds after the key is put into the "OFF" position, it can corrupt the ECM program, which can disable the engine. Always wait 1 full minute to be sure to be past this "write to memory function" prior to removing battery terminals.

Before starting work:
- Remove the engine room by referring to Section 14.
- Remove the hydraulic pump.
- Disconnect the wirings of each sensor.
- Stop the engine. Depress the brake pedal many times until there is no brake pressure.
- Remove the cap from the hydraulic tank to release tank pressure.



- Drain oil from the transmission drain plug.



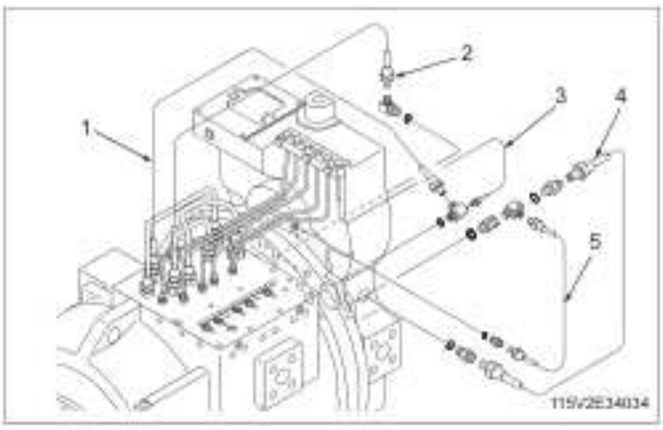
1. Remove hoses (1)(2) from the torque converter pump.
2. Remove drain hose (3) from the torque converter.
3. Remove cooler inlet hose (4), and then disconnect hoses (5)(6).
4. Remove pipes (7)(8) from lock-up solenoid (option).

Note
Cover the disconnected hoses and pipes with vinyl to protect them from dust and dirt.

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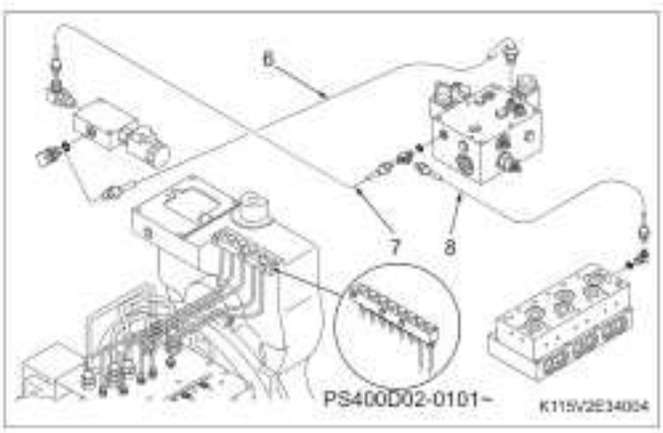
Transmission assy disassembling

Before starting work:
- Clean the area carefully.
- Disconnect all the wire harness coupler.



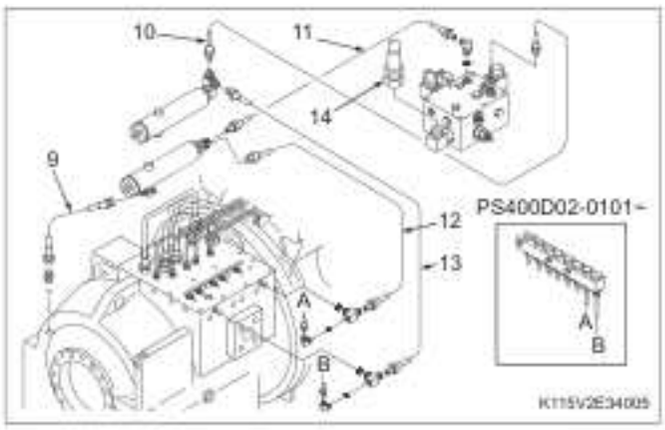
1. Remove pipe (1)~(5).

Note
Cover the disconnected pipes with vinyl to protect them from dust and dirt.



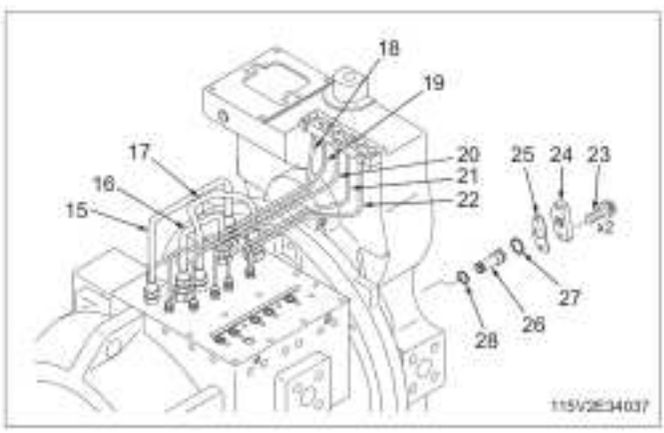
2. Remove pipes (6)(7)(8).

Note
Cover the disconnected pipes with vinyl to protect them from dust and dirt.



3. Remove pipe (9)~13) and hose (14).
   Remove pipe (A)(B). (TM S/N PS400D02-0101~)

Note
Cover the disconnected pipes and hoses with vinyl to protect them from dust and dirt.



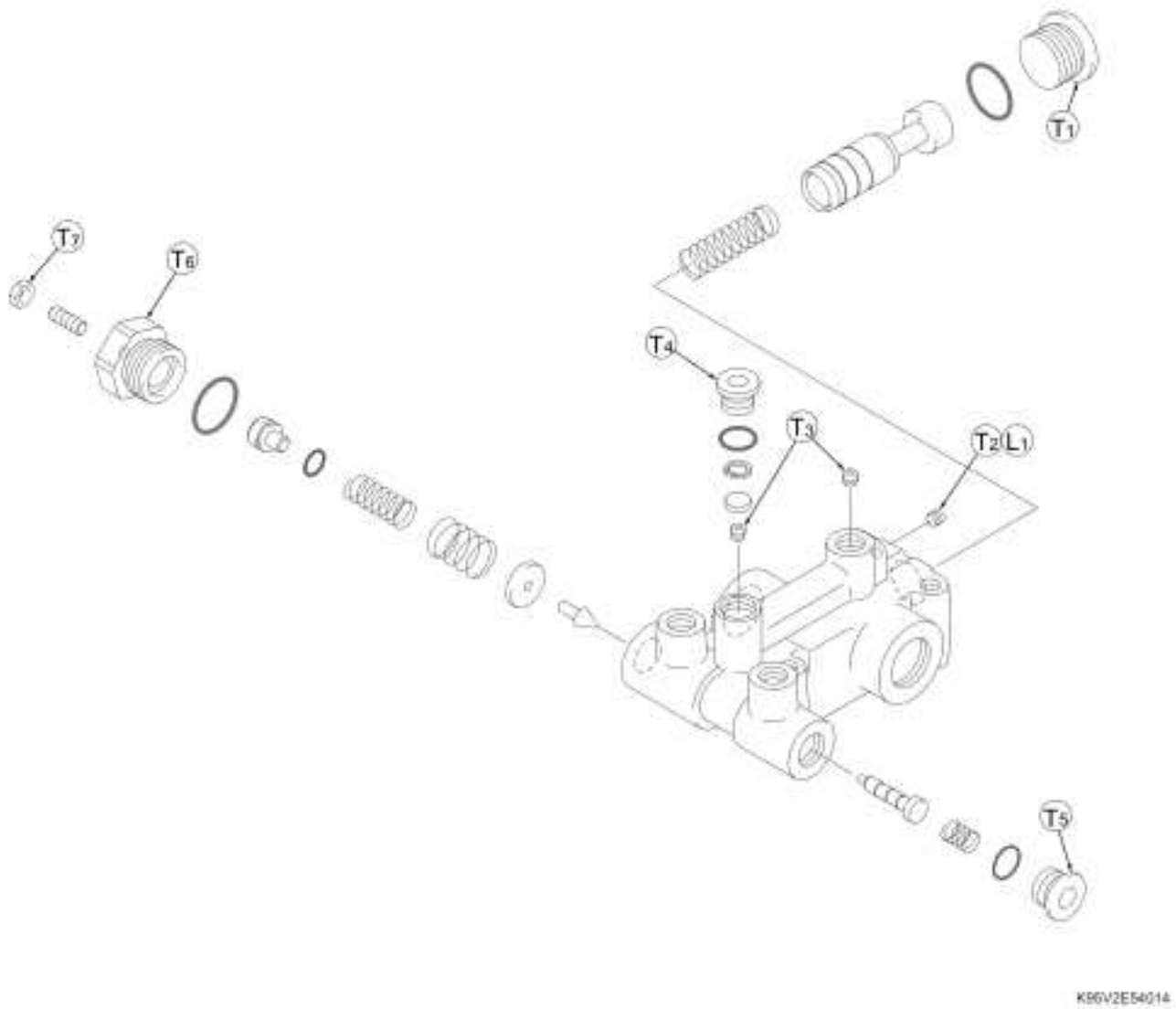
4. Remove pipe (15)~(22).
   Remove bolt (23), adapter (24), gasket (25), sleeve (26) and O-rings (27)(28).

: Bolt (23): 37.8 N-m (3.85 kgf-m) (28 lb-ft)
: With lubricating oil (engine oil or gear oil)

Note
Cover the disconnected pipes with vinyl to protect them from dust and dirt.

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(S/N 9051−)



K86V2E54014

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T_1:	137 N-m (14 kgf-m) (101 lb-ft)	Width across flats	17 mm (0.669 in)
T_2:	14.7 N-m (1.5 kgf-m) (11 lb-ft)	Width across flats	5 mm (0.197 in)
T_3:	14.7 N-m (1.5 kgf-m) (11 lb-ft)	Width across flats	5 mm (0.197 in)
T_4:	58.8 N-m (6 kgf-m) (43 lb-ft)	Width across flats	8 mm (0.315 in)
T_5:	98.1 N-m (10 kgf-m) (72 lb-ft)	Width across flats	30 mm (1.181 in)
T_6:	118 N-m (12 kgf-m) (87 lb-ft)	Width across flats	36 mm (1.417 in)
T_7:	16.7 N-m (1.7 kgf-m) (12 lb-ft)	Width across flats	12 mm (0.472 in)
T_8:	78.5 N-m (8 kgf-m) (58 lb-ft)	Width across flats	24 mm (0.945 in)

L_1: Screw lock agent (Loctite® 262) application

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