



Service Repair Manual

Models

325C, 325C L and 325C LN
Excavator

Product: EXCAVATOR

Model: 325C EXCAVATOR CSJ

Configuration: 325C L & 325C LN Excavator CSJ00001-UP (MACHINE) POWERED BY 3126 Engine

Disassembly and Assembly 325C Excavator Machine Systems

Media Number -REN5367-11

Publication Date -01/01/2012

Date Updated -17/02/2017

i01734747

Travel Motor - Disassemble

SMCS - 4351-015

Disassembly Procedure

Start By:

- A. Remove the travel motor. Refer to Disassembly and Assembly, "Travel Motor - Remove".

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.

1. Thoroughly clean the outside of the travel motor prior to disassembly.
2. Fasten the travel motor to a suitable holding fixture in a vertical position. The weight of the travel motor is 60 kg (132 lb).
3. Put an alignment mark across the head and the body of the travel motor for assembly purposes. The head must be reinstalled in the head's original position on the body of the travel motor.

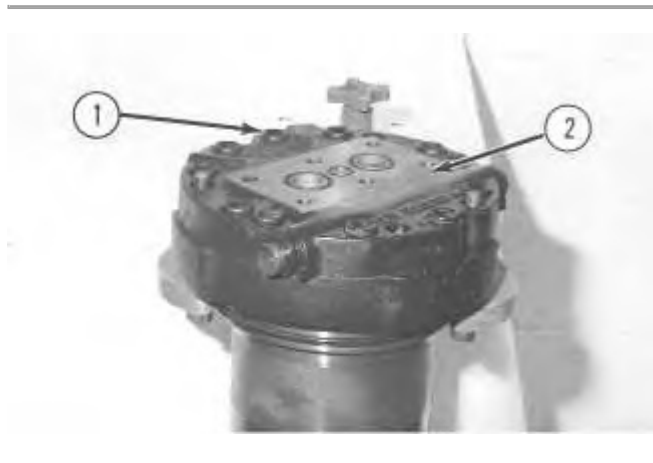


Illustration 1

g00510326

Note: During the removal of head (2) from the travel motor, be careful not to damage the mating surfaces of the components.

4. Remove bolts (1) .
5. Remove head (2) from the body of the travel motor.

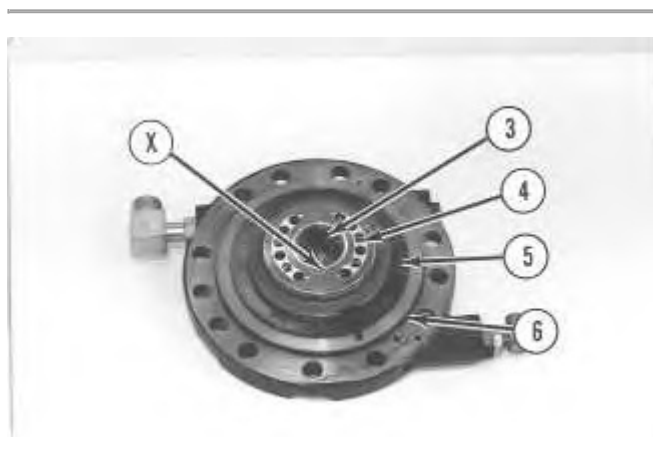


Illustration 2

g00510341



Illustration 3

g00510349

6. Turn over head (2) .
7. Remove O-ring seal (6), shims (5), port plate (4), and bearing (3) from the head.
8. Remove the check valve assemblies from the head.

Note: There is a retainer under spring (9). This retainer is a press fit in head (2). Do not remove the retainer.

9. Insert a dowel rod with a small diameter into Hole (X). Tap the dowel rod with a plastic hammer in order to remove spring (9), poppet (8), and seat (7) from the head.



Illustration 4

g00510351

10. Remove three fittings (10) and plugs (11) from the head. Remove the O-ring seal from each fitting.

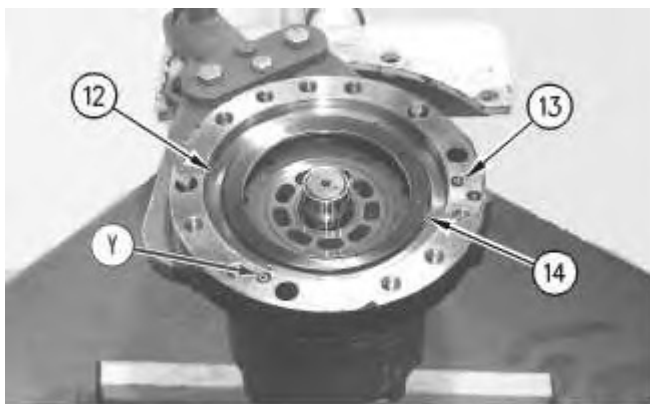


Illustration 5

g00878239

11. Remove O-ring seals (13) and washer set (12) from the body of the travel motor.

- Place a shop towel over brake piston (14). Retain brake piston (14) by hand, and apply approximately 525 kPa (75 psi) of shop air pressure to brake release Port (Y). Make sure that the shop air pressure is free of water. Brake piston (14) will move up the piston guide, and out of the piston guide. Remove brake piston (14) from the body of the travel motor.

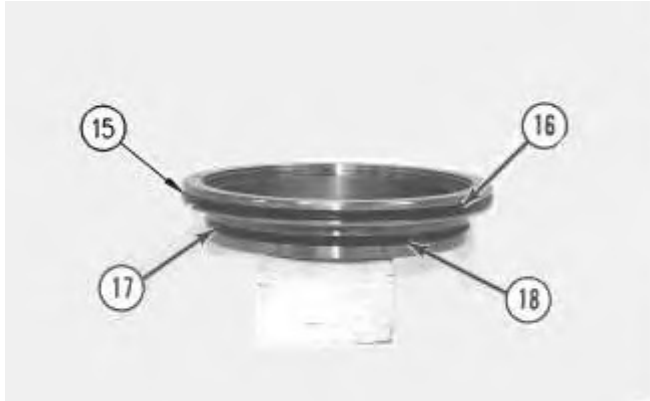


Illustration 6

g00878248

- Remove O-ring seal (16) from the brake piston. Remove backup ring (15) from the brake piston.
- Remove O-ring seal (17) from the brake piston. Remove backup ring (18) from the brake piston.



Illustration 7

g00510356

- Remove piston guide (19), five friction plates (20) and the four steel plates from the body of the travel motor.
-

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com