

Product: EXCAVATOR  
Model: 315C EXCAVATOR BTL  
Configuration: ISJ HEX COMMONALITY CHART BTL00001-UP (MACHINE)

## Disassembly and Assembly 315C Excavator Machine Systems

Media Number -REN5525-05

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i01959727

## Travel Motor - Disassemble

SMCS - 4351-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	2
B	1P-0074	Slide Hammer	1
C	9S-9152	Bearing Puller	1
D	1U-9895	Crossblock	1
	3H-0465	Push-Puller Plate	2
	8T-0649	Bolt	2
	9X-8257	Washer	2
E	5P-0975	Plate	1

### Start By:

- a. Remove the piston motor (travel). Refer to Disassembly and Assembly, "Piston Motor (Travel) - Remove".

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### 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, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat<sup>®</sup> products.**

**Dispose of all fluids according to local regulations and mandates.**

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**Note:** Put identification marks on the motor and on all hose assemblies for installation purposes and for the purpose of orientation. Plug all hose assemblies. This will help to prevent fluid loss and this helps to keep contaminants from entering the system.

**Note:** Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

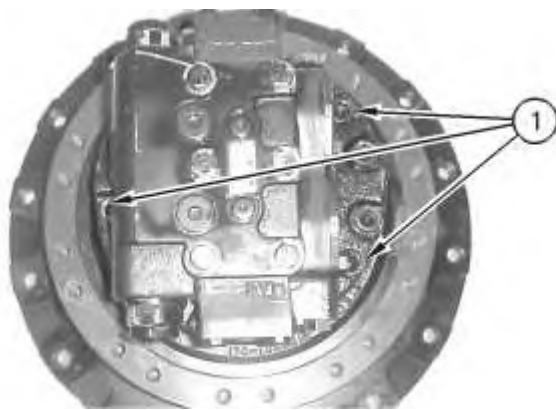


Illustration 1

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1. Remove bolts (1).
- 



Illustration 2

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2. Remove bolts (2) from the traction control valve in order to install Tooling (A).

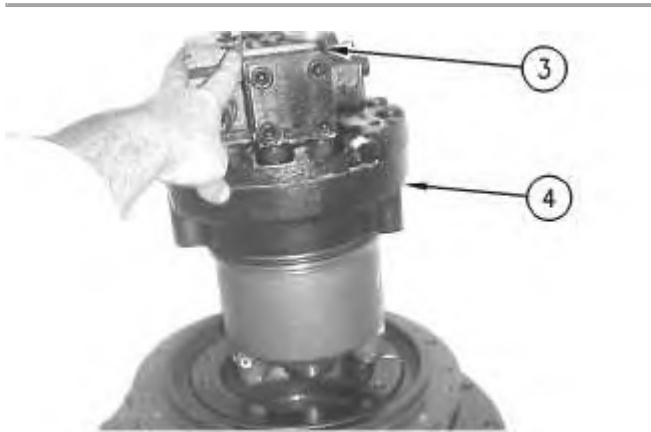


Illustration 3

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3. Remove traction control valve (3) and travel motor (4) from the final drive.

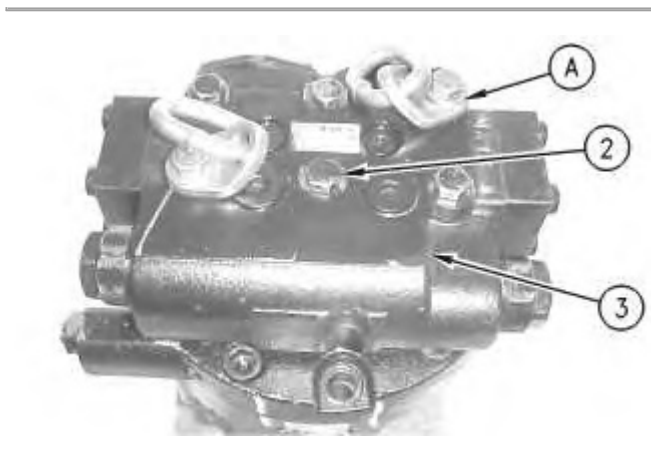


Illustration 4

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4. Remove Tooling (A). Remove four bolts (2). Remove traction control valve (3).

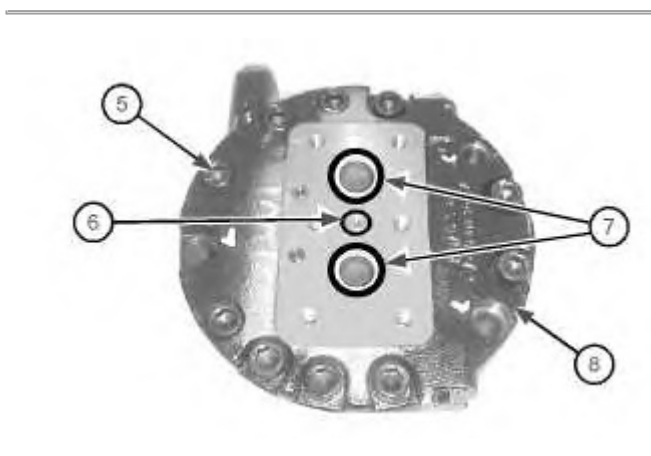


Illustration 5

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5. Remove socket head bolts (5). Remove O-ring seal (6) and O-ring seals (7). Remove head (8).



Illustration 6

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6. Remove shim (9).



Illustration 7

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7. Remove bearing (10).

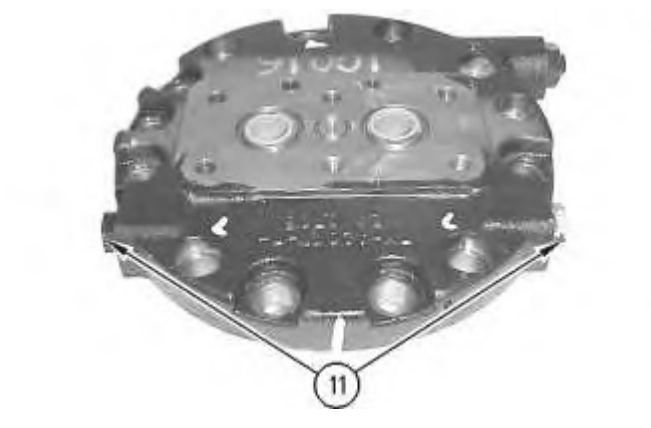
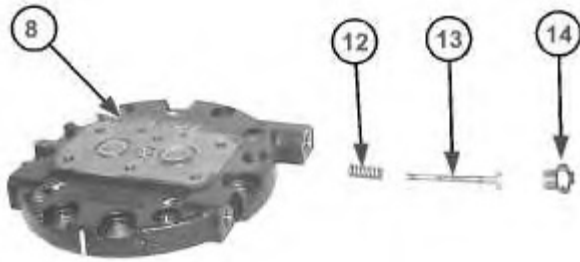


Illustration 8

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8. Remove plugs (11) and the O-ring seals.

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Illustration 9

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**! WARNING**

**Personal injury can result from being struck by parts propelled by a released spring force.**

**Make sure to wear all necessary protective equipment.**

**Follow the recommended procedure and use all recommended tooling to release the spring force.**

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9. Remove adapter (14) and the O-ring seal. Remove spool (13) and spring (12) from head (8).



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Illustration 10

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10. Remove washer set (15).
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Illustration 11

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11. Remove port plate (16).



Illustration 12

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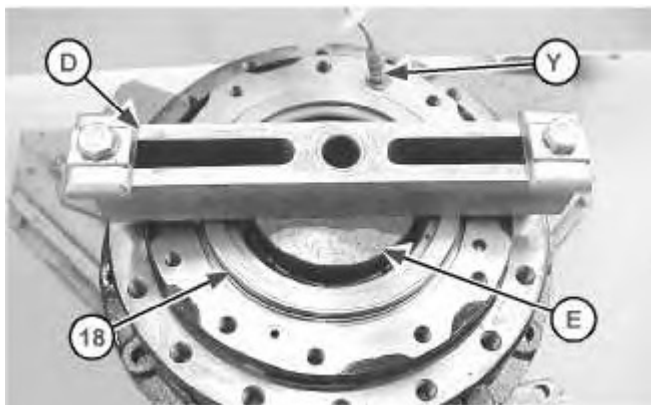


Illustration 13

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12. Remove three small O-ring seals (17). Install Tooling (D) and Tooling (E), as shown. Tooling (E) provides a protective cover for the barrel assembly. Tooling (E) prevents Tooling (D) from damaging the surface of the barrel assembly.

13. Retain piston (18) with Tooling (D) and apply approximately 517 kPa (75 psi) of shop air pressure to brake release port (Y). Brake piston (18) will move out of the piston guide. Remove brake piston (18) from the main housing.



Illustration 14

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14. Remove O-ring seal (19) and the backup ring and remove O-ring seal (20) and the backup ring.



Illustration 15

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15. Remove piston guide (21). Remove O-ring seal (22).



Illustration 16

g00779341

16. Remove O-ring seal (23) and backup ring (24).



Illustration 17

g00779343

17. Lay the travel motor housing on one side in order to remove rotating group (25) and brake pack (26) as a unit.



Illustration 18

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18. Remove brake pack (26).



Illustration 19

g00780290

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