

Product: MOTOR GRADER

Model: 24M MOTOR GRADER B93

Configuration: 24M Motor Grader B9300001-UP (MACHINE) POWERED BY C18 Engine

Disassembly and Assembly 24M Motor Grader Machine Systems

Media Number -UENR3490-00

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i07080592

Piston Pump (Implement) - Disassemble

SMCS - 5070-015-II; 5084-015-QP

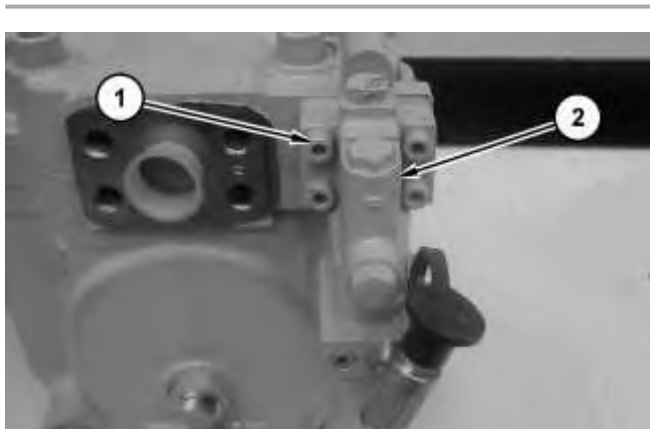
Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0510	Driver Gp	1
B	1P-1857	Retaining Ring Pliers	1
C	1P-1861	Retaining Ring Pliers	1

Start By:

- Remove the piston pump. Refer to Disassembly and Assembly, "Piston Pump (Implement) - Remove".



1. Remove bolts (1) and valve (2).

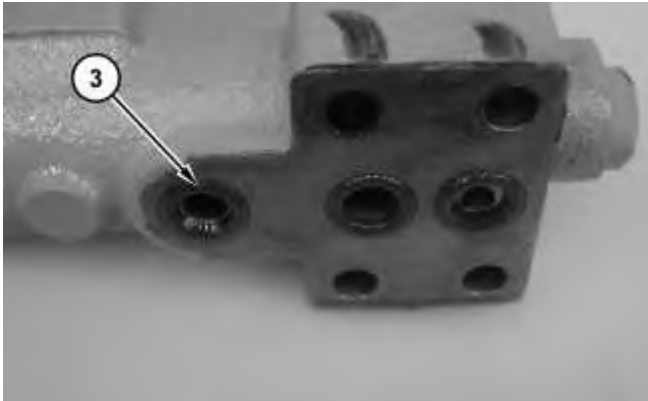


Illustration 2

2. Remove O-ring seals (3).

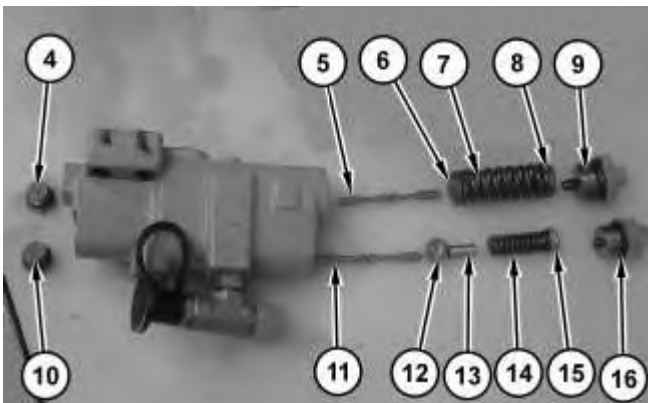


Illustration 3

⚠ 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.

-
3. Remove plug (9), the O-ring seal, retainer (8), spring (7), retainer (6), spool (5), plug (4), and the O-ring seal.

4. Remove plug (16), the O-ring seal, retainer (15), spring (14), rod (13), retainer (12), spool (11), plug (10), and the O-ring seal.

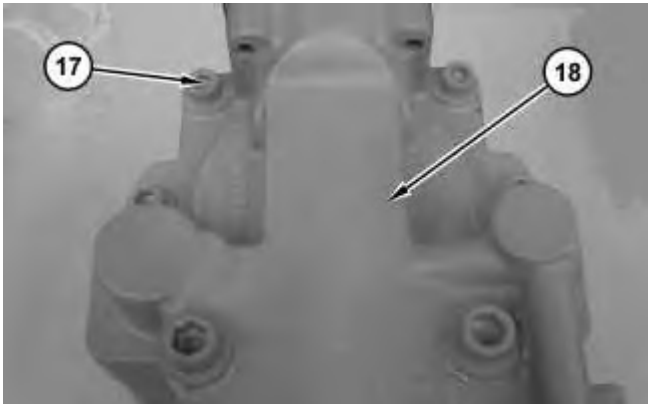


Illustration 4

g01329902



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.

5. Remove bolts (17) and head (18).

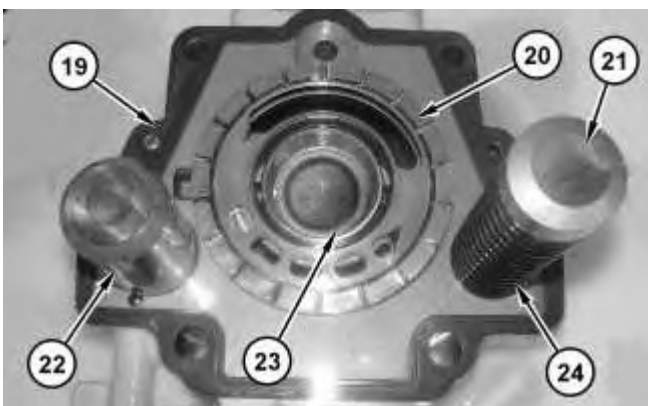


Illustration 5

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6. Remove piston (22), piston (21), spring (24), gasket (19), port plate (20), and bearing cup (23).
-



Illustration 6

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7. Remove bearing cone (25).

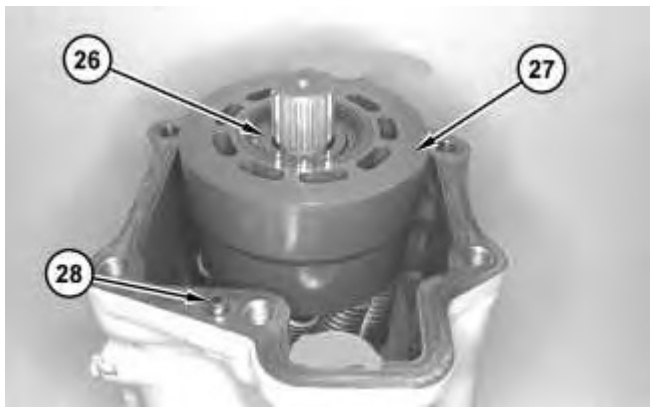


Illustration 7

g01329910

8. Remove shim (26), barrel (27), and dowel (28).

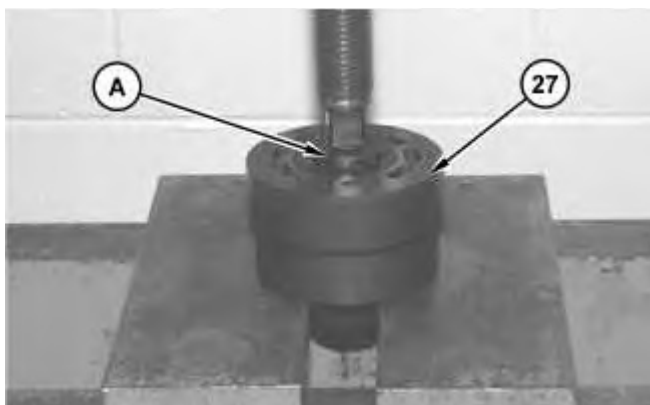


Illustration 8

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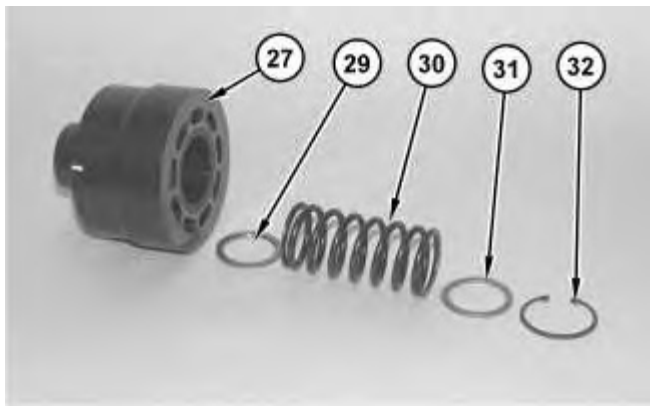


Illustration 9

g01329913

! 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.

9. Use Tooling (A), Tooling (B), and a suitable press to remove retaining ring (32) from barrel (27).
10. Remove washer (31), spring (30), and washer (29).

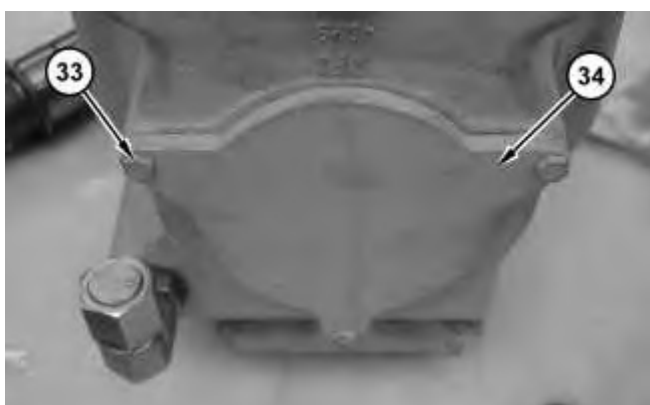


Illustration 10

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11. Remove bolts (33) and cover (34).



Illustration 11

g01329907

12. Remove O-ring seal (35).

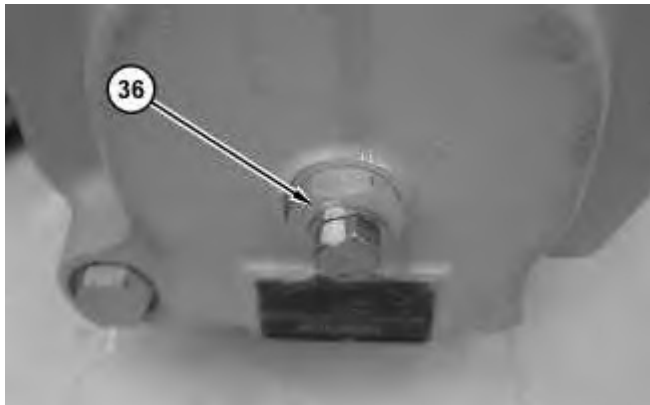


Illustration 12

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13. Remove plug (36).



Illustration 13

g01329914

14. Remove shaft (37), bolts (39), and plates (38).

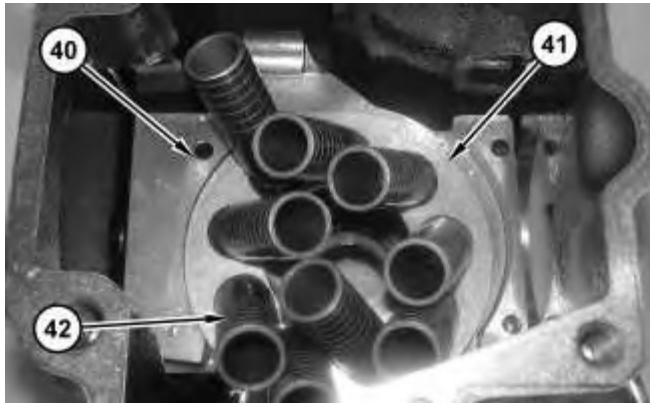


Illustration 14

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15. Remove plates (40), retainer (41), and pistons (42).

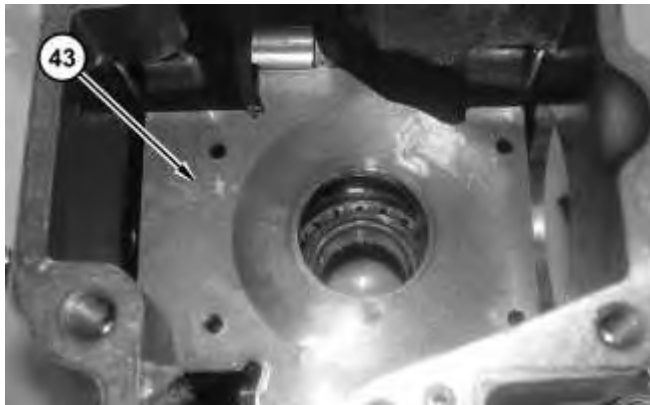


Illustration 15

g01329916

16. Remove swashplate (43).

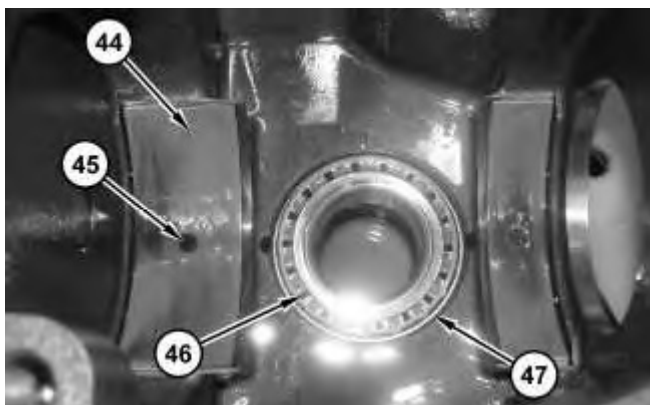


Illustration 16

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17. Remove screws (45), bearings (44), bearing cone (46), and bearing cup (47).



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