

Mega 400-V

Shop Manual

023-00092E

Serial Number 3001 and Up

Daewoo reserves the right to improve our products in a continuing process to provide the best possible product to the market place. These improvements can be implemented at any time with no obligation to change materials on previously sold products. It is recommended that consumers periodically contact their distributors for recent documentation on purchased equipment.

This documentation may include attachments and optional equipment that is not available in your machine's package. Please call your distributor for additional items that you may require.

Illustrations used throughout this manual are used only as a representation of the actual piece of equipment, and may vary from the actual item.

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Attachments

ZF - MULTITRAC RIGID AXLE MT-L 3095

DISASSEMBLY OF OUTPUT AND BRAKE

1. Fasten axle on assembly truck.
(S) Assembly truck 5870 350 000
(S) Holding fixtures 5870 350 077
(S) Clamps 5870 350 075

2. Remove drain plugs (3x, Figure 17 and Figure 18) and drain oil from axle casing.

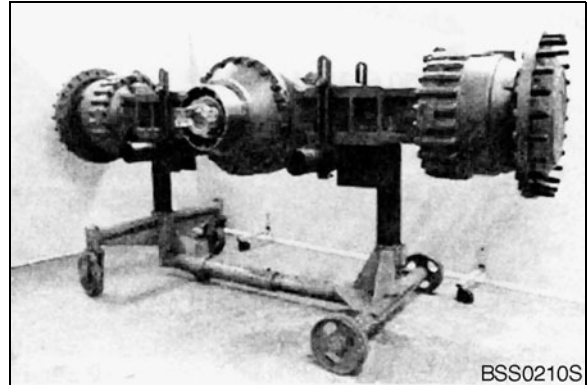


Figure 16

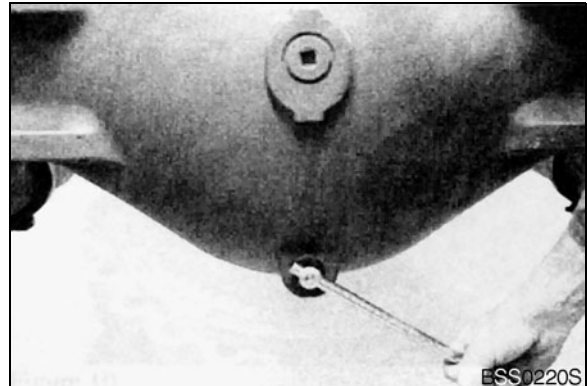


Figure 17

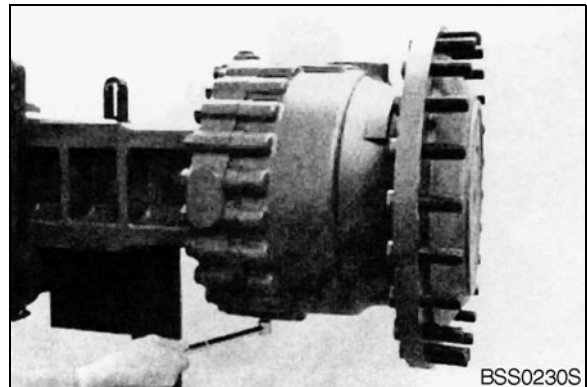


Figure 18

3. Remove cover from output shaft.
(S) Pry bar set 5870 345 065

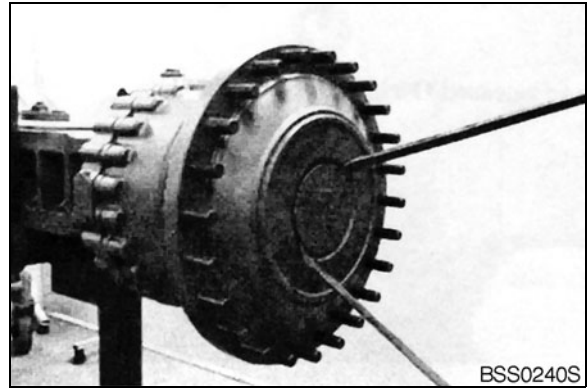


Figure 19

4. Remove slotted pin using striker (S) from bore in slotted nut.
(S) Striker 5870 650 001

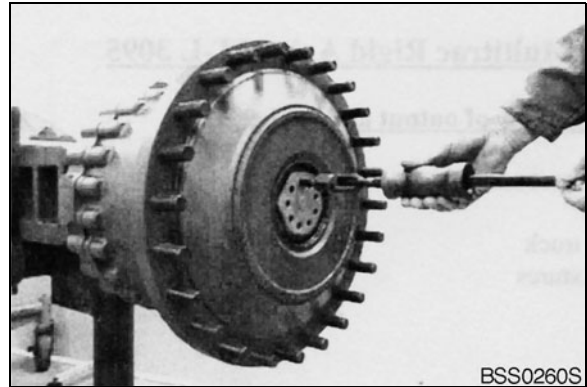


Figure 20

5. Remove slotted nut.
(S) Socket spanner
(S) Centering bracket

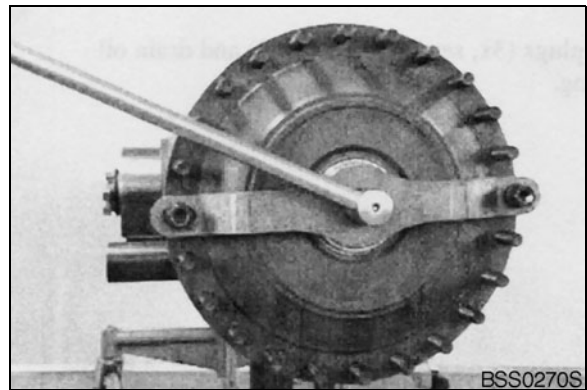


Figure 21

6. Secure output using lifting tackle (S) and remove hexagon screws.
(S) Lifting bracket 5870 281 043

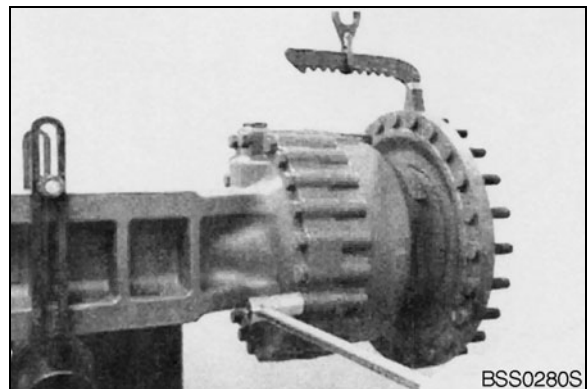


Figure 22

7. Separate complete output from axle casing.

NOTE: *Pay attention to released O-ring (see arrow).*

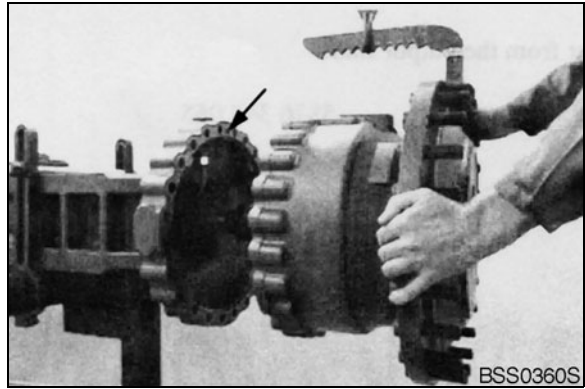


Figure 23

8. Remove stub shaft from sun gear shaft.

NOTE: *Pay attention to possibly released shim(s).*

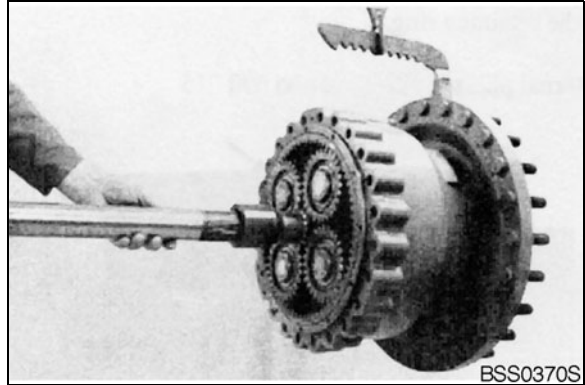


Figure 24

9. Remove shim(s) from sun gear shaft.

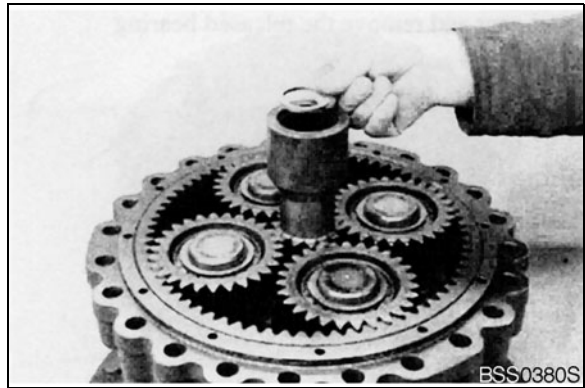


Figure 25

10. Remove sun gear shaft from planet gears.

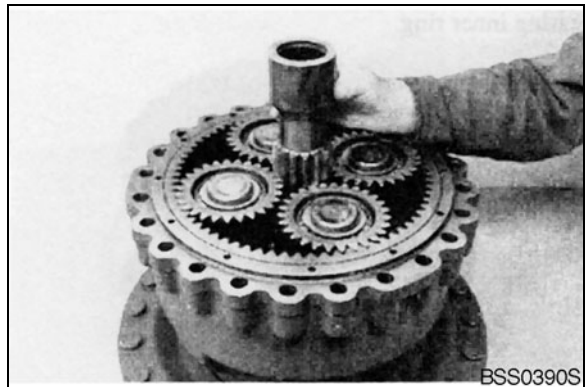


Figure 26

11. Lift planet carrier from brake housing.
(S) Internal extractor 5870 300 019

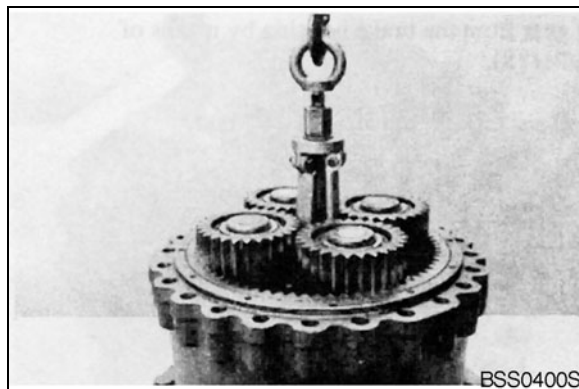


Figure 27

12. Remove retaining ring.
(S) Set of external pliers 5870 900 015

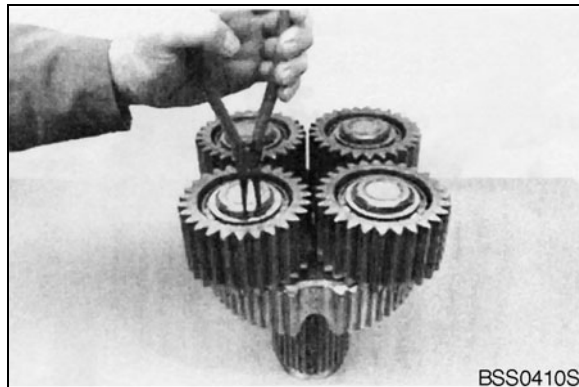


Figure 28

13. Remove planet gear and remove released inner bearing race.
(S) Three-armed puller 5873 971 002



Figure 29

14. Remove inner bearing race.
(S) Gripping insert 5873 001 020
(S) Basic set 5873 001 000

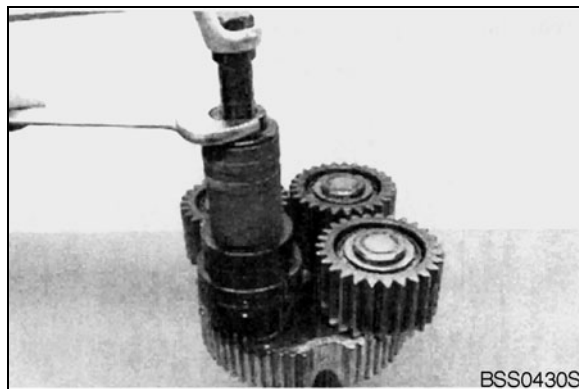


Figure 30

15. Separate ring gear from brake housing using two-armed puller (S).

(S) Two-armed puller 5870 970 007

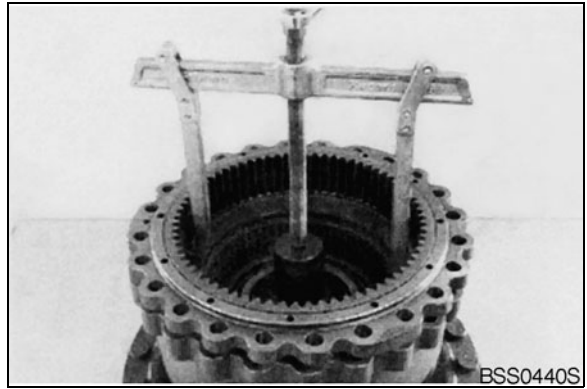


Figure 31

16. Remove O-rings (see arrows) from annular grooves of ring gear.

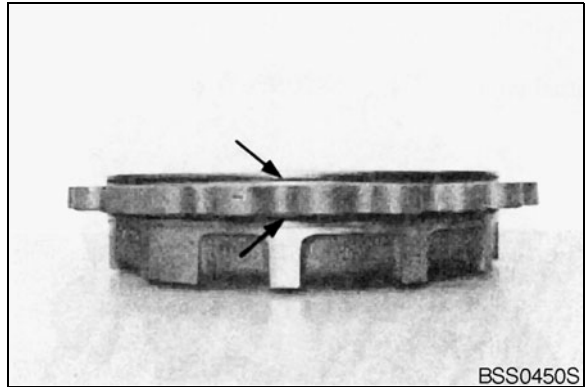


Figure 32

17. Remove O-ring (see arrow) from recess of brake housing.

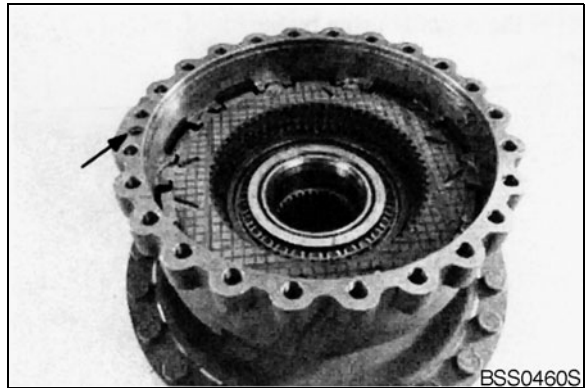


Figure 33

18. Remove disk pack from brake housing.

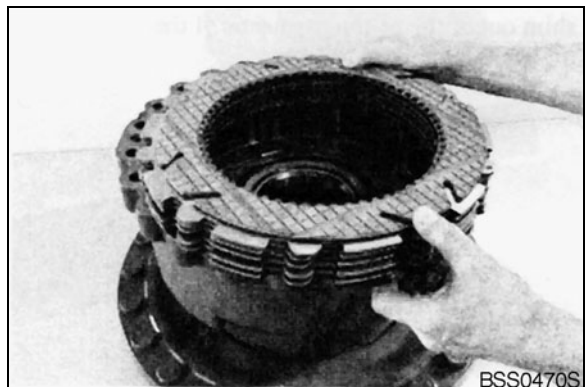


Figure 34

19. Install slotted pins (6x) in support shim until they are flush mounted.

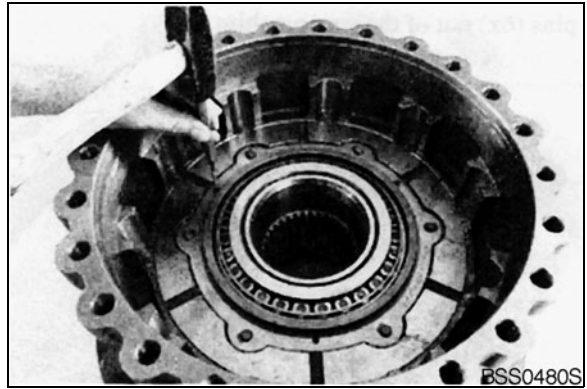


Figure 35

20. Remove retaining ring.
(S) Set of external pliers 5870 900 016

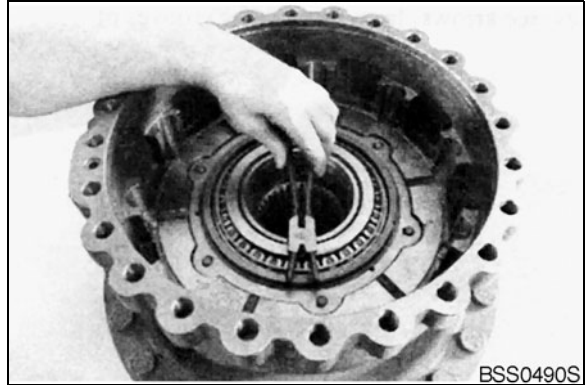


Figure 36

21. Remove piston from brake housing using compressed air.

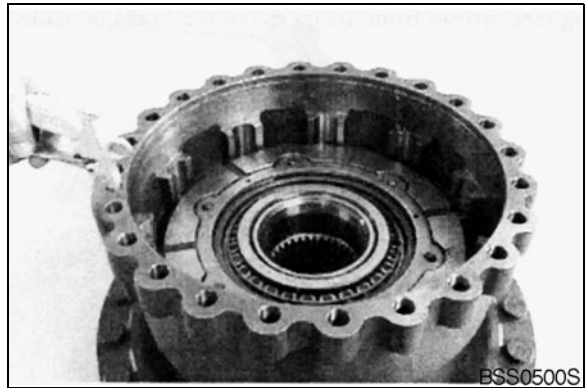


Figure 37

22. Remove support shim from piston using automatic piston adjusting.

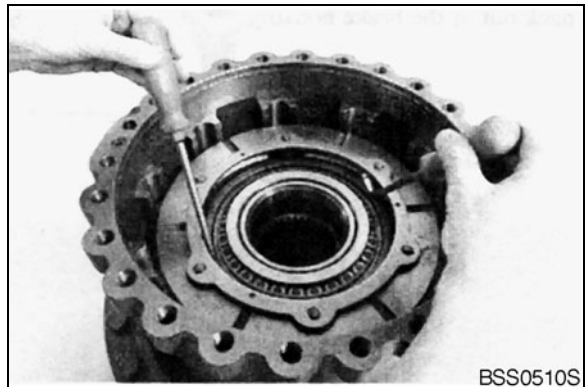


Figure 38

23. Remove slotted pins (6x) from support shim.

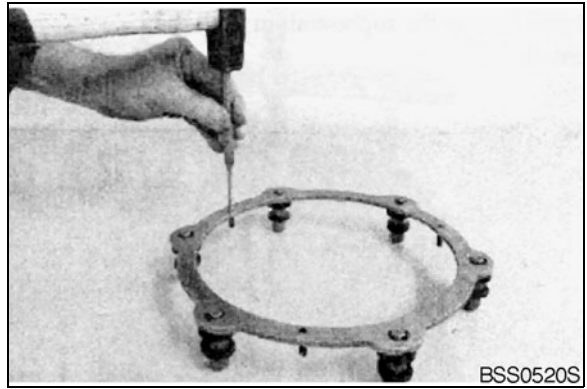


Figure 39

24. Preload cup springs using a press and remove retaining ring.

(S) Assembly pliers 5870 900 051

(S) Assembly fixture 5870 345 096

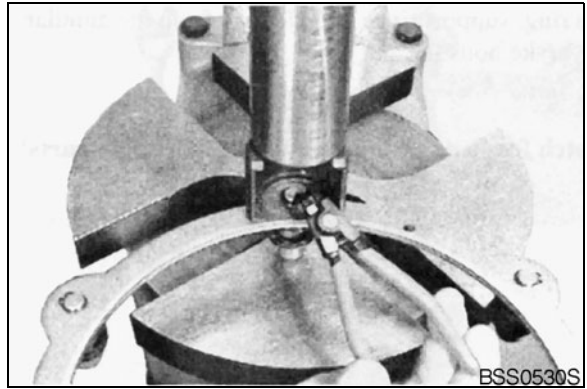


Figure 40

25. Remove pin from support shim and remove released cup springs.

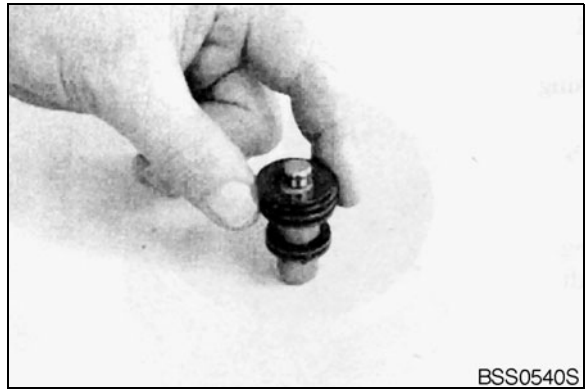


Figure 41

26. Press gripping rings from pin.

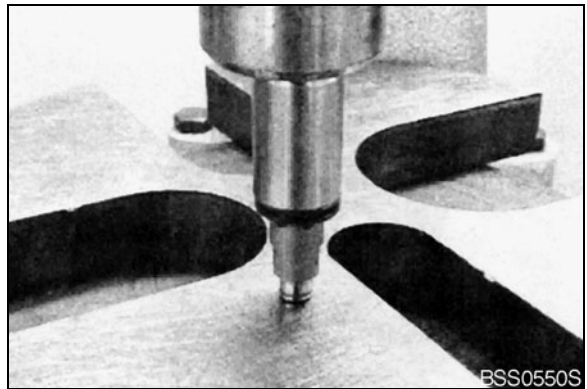


Figure 42

27. Lift piston from brake housing.
 (S) Adjusting device 5870 400 001

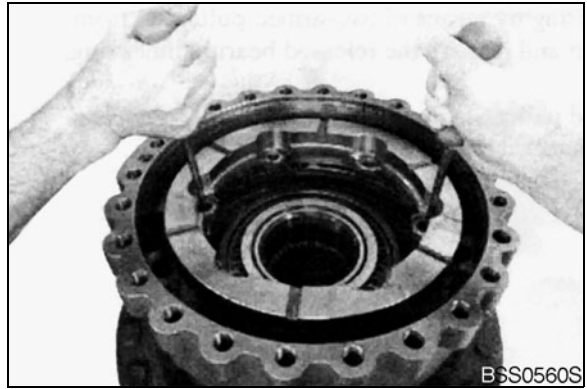


Figure 43

28. Remove guide ring, support rings and U-rings from annular grooves of brake housing.

NOTE: See Figure 45, for installation position of single parts.

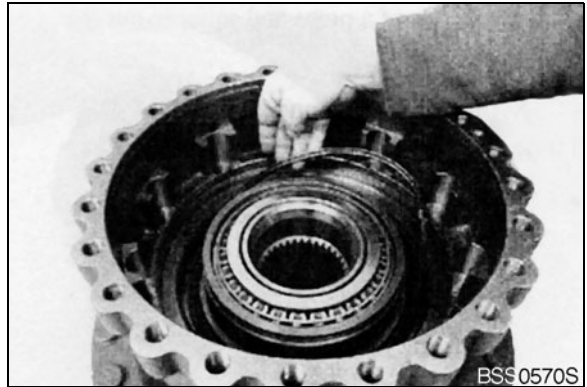


Figure 44

Reference Number	Description
1	Brake housing
2	Guide ring
3	Support ring
4	U-ring
5	U-ring
6	Support ring
7	Output shaft

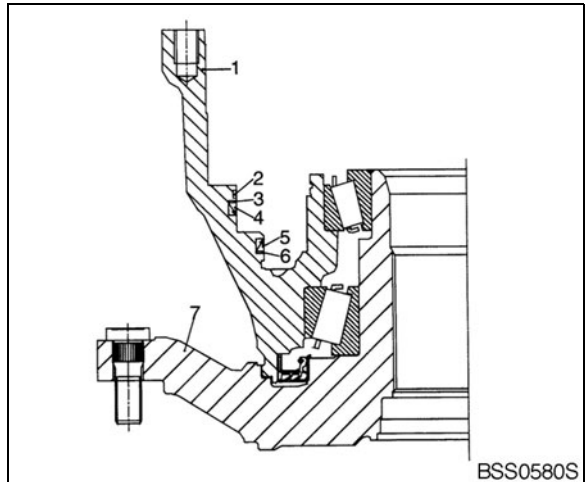


Figure 45

29. Remove brake housing using two-armed puller (S) from output shaft and remove released inner bearing race.

(S) Two-armed puller 5870 970 007

(S) Clamping bracket 5870 654 034

(S) Press bush 5870 506 140

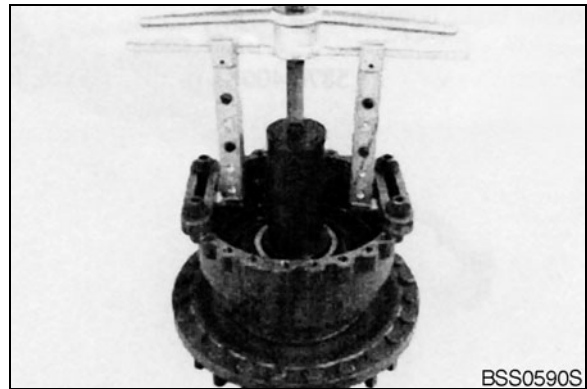


Figure 46

30. Lift brake housing with lifting tackle (S) from output shaft.

(S) Lifting chain 5870 281 047

(S) Eyebolts 5870 204 071

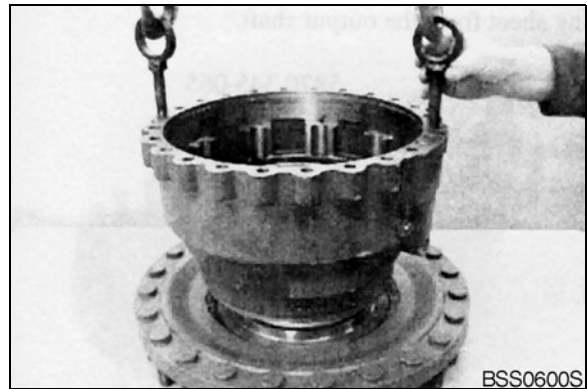


Figure 47

31. If necessary drive both outer bearing races from bearing bores in brake housing.



Figure 48

32. Press shaft seal out of brake housing.

(S) Pry bar set 5870 345 065



Figure 49

33. Remove inner bearing race from output shaft.

(S) Rapid grip 5873 014 011

(S) Basic set 5873 004 001

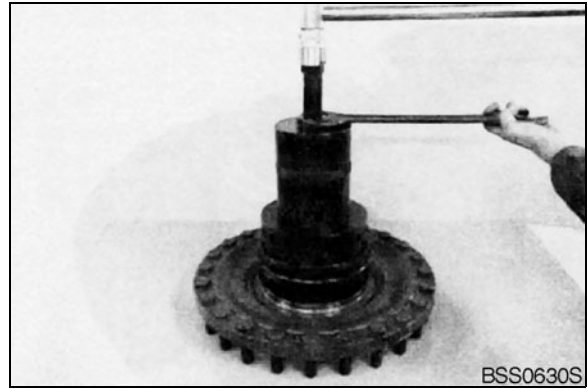


Figure 50

34. Remove bearing sheet from output shaft.

(S) Pry bar set 5870 345 065

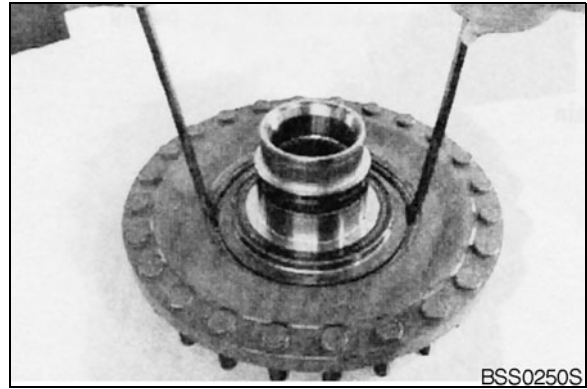


Figure 51

REASSEMBLY OF OUTPUT AND BRAKE

1. Insert wheel bolt into output shaft until seated.

(S) Wheel bolt puller - basic set 5870 610 010

(S) Insert (7/8" - 14 UNF) 5870 610 011

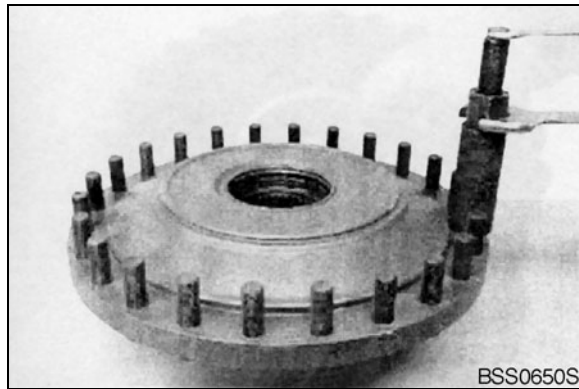


Figure 52

2. Assemble bearing sheet (shaft seal / Part 2).

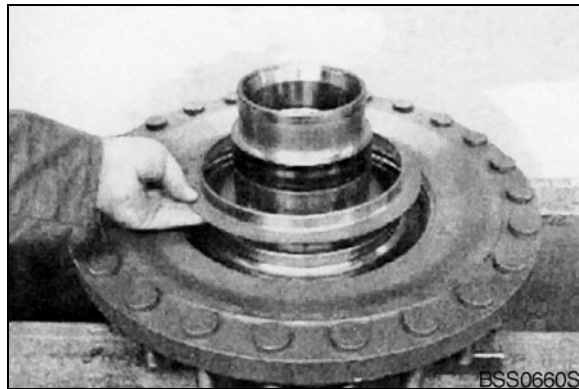


Figure 53

3. Press bearing sheet over collar of output shaft.

(S) Pressure ring 5870 506 141

NOTE: *The exact installation position of bearing sheet will be obtained by using specified pressure ring.*

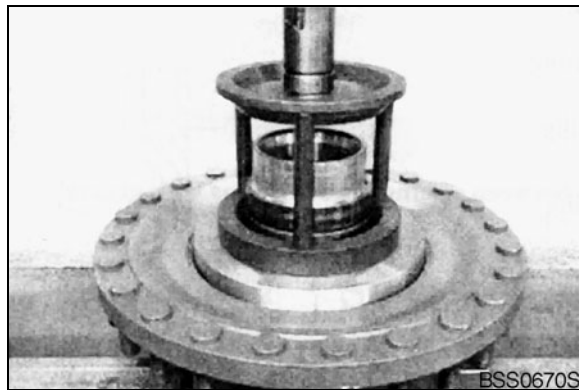


Figure 54

4. Heat roller bearing and install it until seated.

NOTE: *After cooling down bearing, it has to be installed subsequently.*

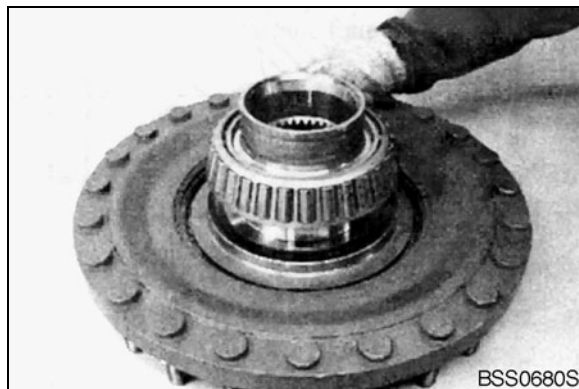


Figure 55

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