

Mega 400-V

Shop Manual

023-00040E

Serial Number 1001 and Up

February 2001

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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Electrical System	S0802180K
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Attachments

TRANSMISSION DISASSEMBLY

1. Fasten transmission on an appropriate support stand.

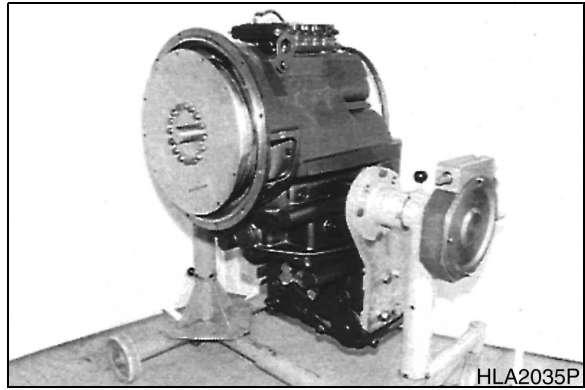


Figure 71

2. Disassemble complete shift control, remove pressure lines and duct plate.

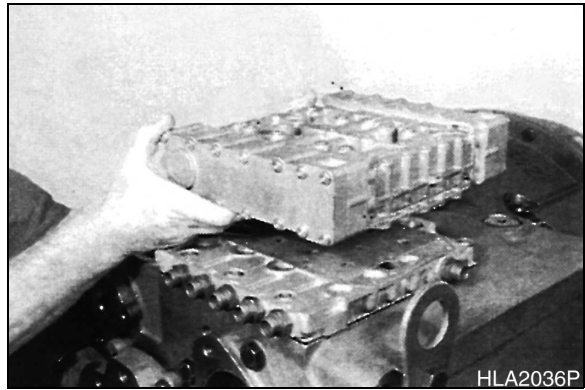


Figure 72

CONVERTER-INPUT

1. Separate torque converter from transmission, using lifting device.

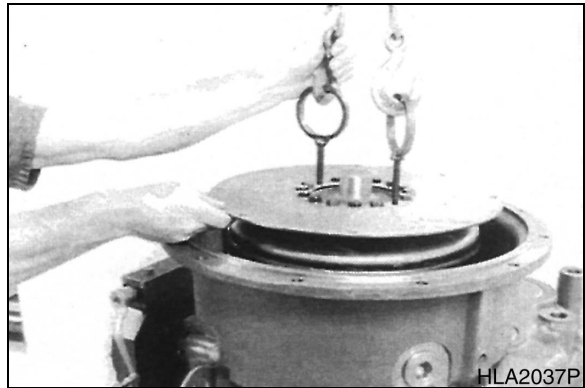


Figure 73

2. Loosen screw connection.
3. Separate bearing cover from converter bell, using three jacking screws.

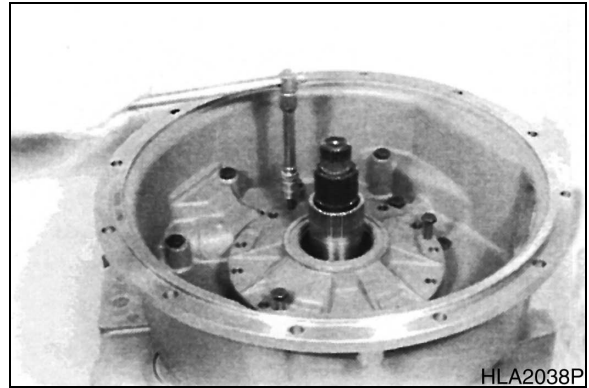


Figure 74

4. Pull oil feed flange out of converter bell, using special device (S).

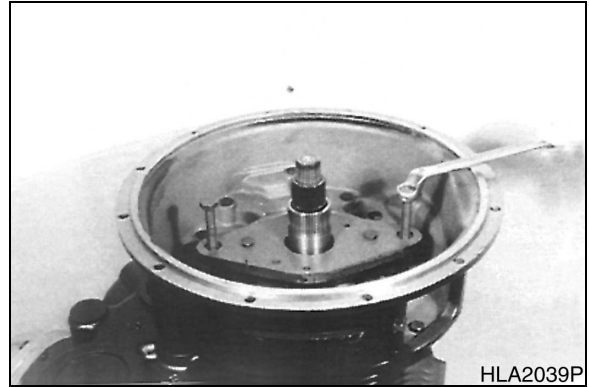


Figure 75

5. Remove converter safety valve (composed of ball, spring and disk.).

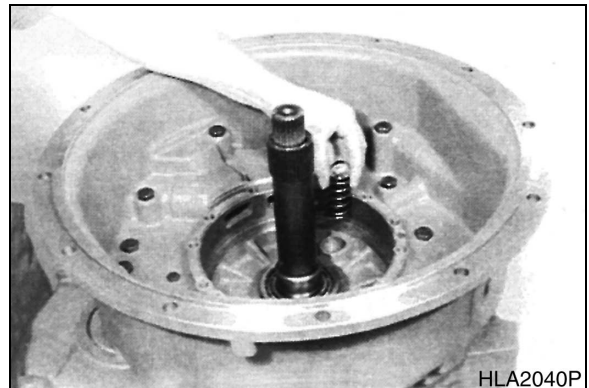


Figure 76

6. Separate converter bell from gearbox housing, using lifting device and pry bar.

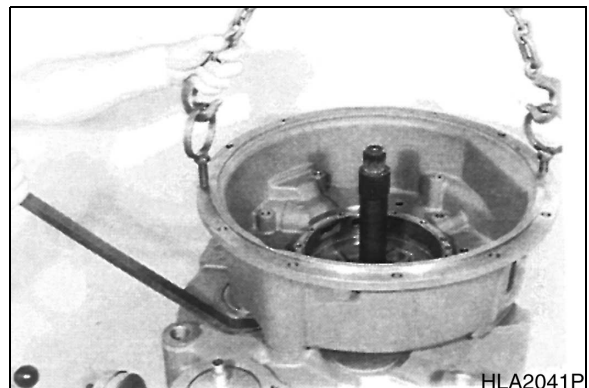


Figure 77

7. Remove shim.

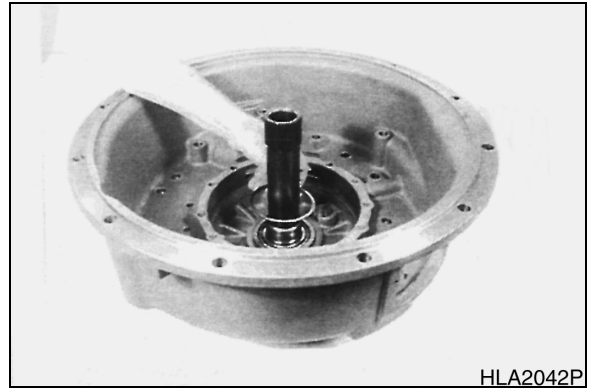


Figure 78

8. Remove rectangular ring (Figure 79).

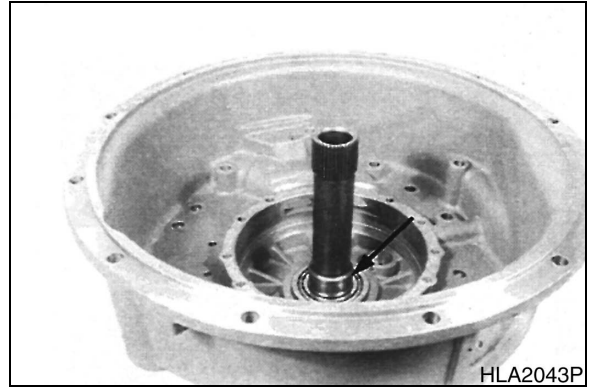


Figure 79

9. Press drive shaft out of spur gear bearing. Remove released inner bearing race and spur gear.
10. If necessary, drive outer bearing race out of housing bores.

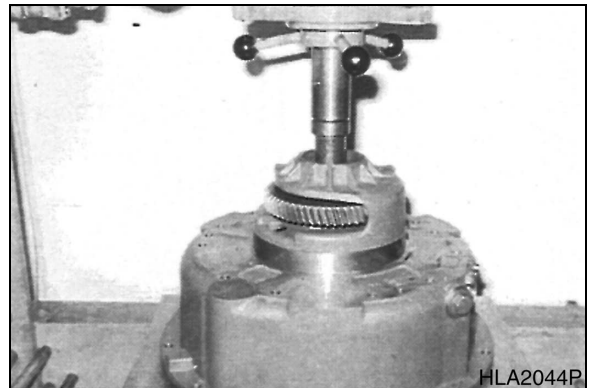


Figure 80

11. Press inner bearing race from drive shaft.

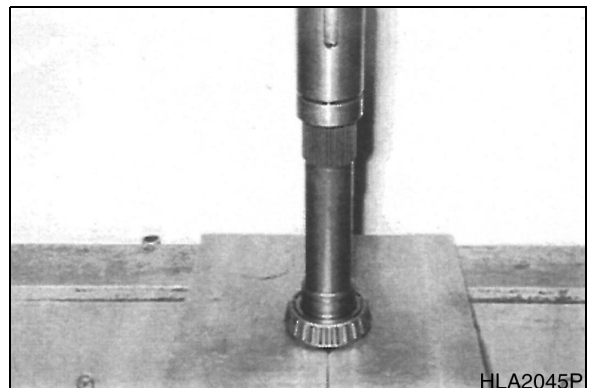


Figure 81

12. Remove converter pressure valve.

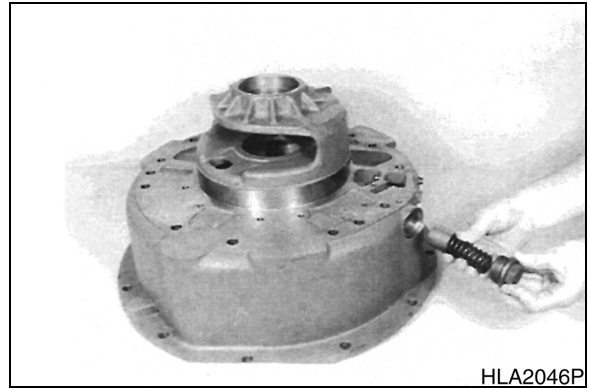


Figure 82

DRIVE SHAFT PUMP POWER TAKE-OFF

1. Pull complete drive shaft out of gearbox housing (pump).

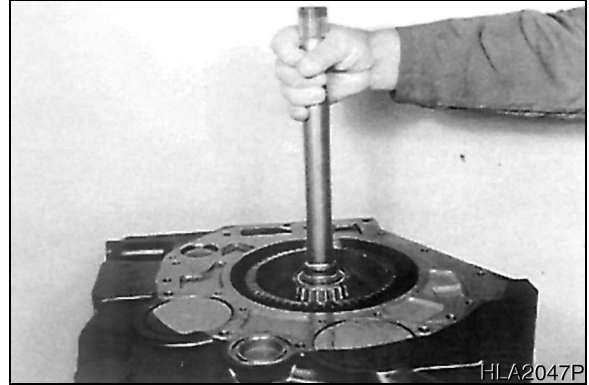


Figure 83

2. Remove rectangular ring (Figure 84).

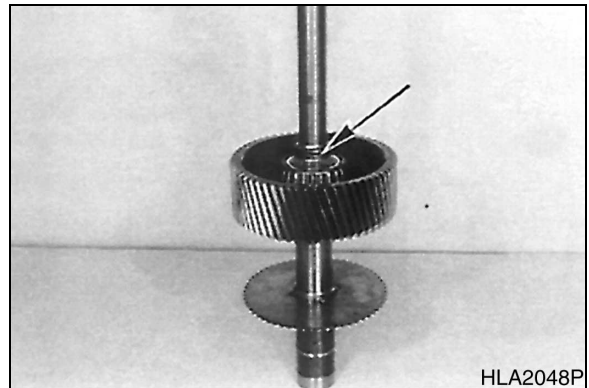


Figure 84

3. Separate spur gear from shaft and remove snap ring (Figure 85).

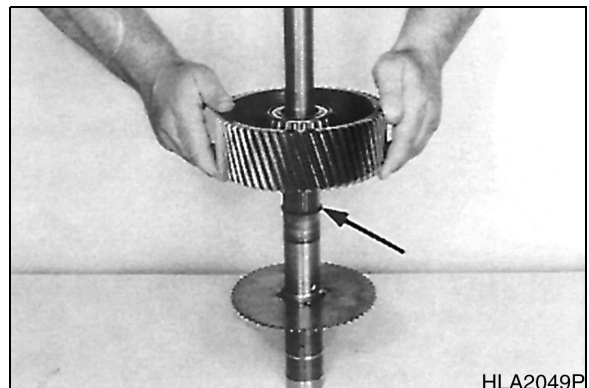


Figure 85

4. Pull inner bearing race from spur gear.

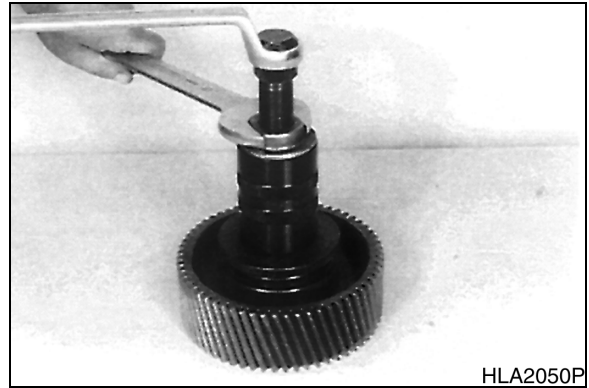


Figure 86

5. Loosen socket head screw and remove it along with clamping plate.

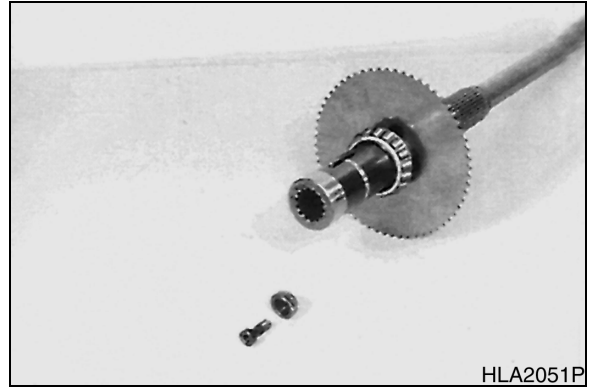


Figure 87

6. Pull inner bearing race and drive from shaft.

NOTE: *Support puller on end face/ drive shaft. Pay attention to released shims.*

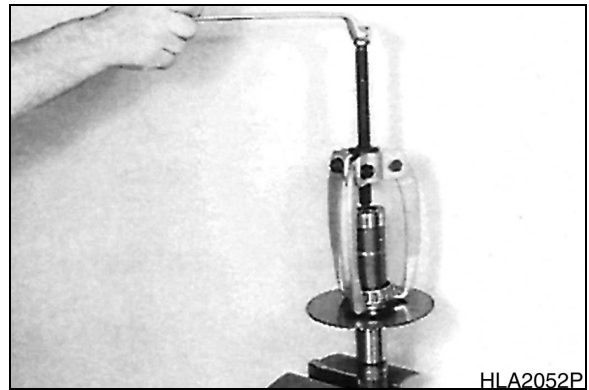


Figure 88

7. Separate inner bearing race from driver.

NOTE: *Pay attention to released shim.*

8. Remove snap rings (3x).

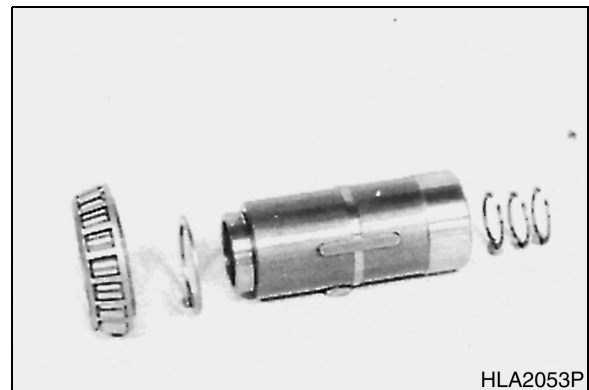


Figure 89

TRANSMISSION PUMP

1. Tilt gearbox housing 180°.
2. Loosen hex. head screws and remove both pump flanges.

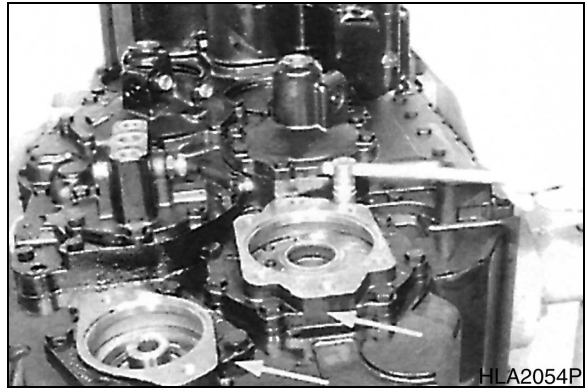


Figure 90

3. Loosen socket head screws (M8) and position Puller device (s).
4. Pull transmission pump out of housing bore.

NOTE: *Tapping housing face is a help during extraction operation.*

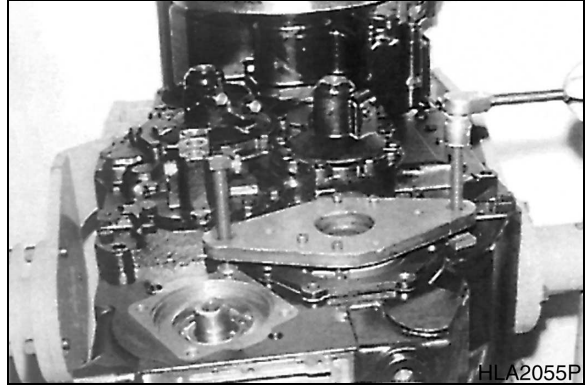


Figure 91

OUTPUT- LAYSHAFT ASSEMBLY

1. Loosen screw connection and remove brake caliper.

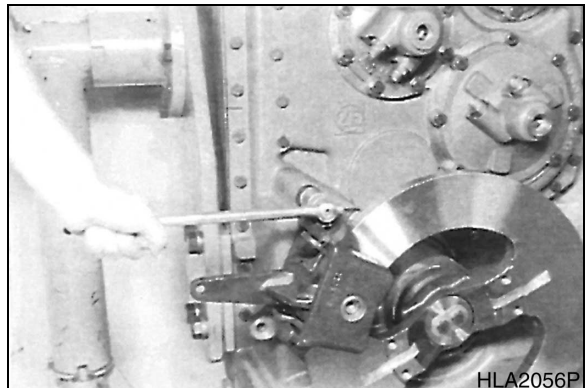


Figure 92

2. Unlock and loosen hex. head screws, tap brake disk loose and separate it from output shaft.

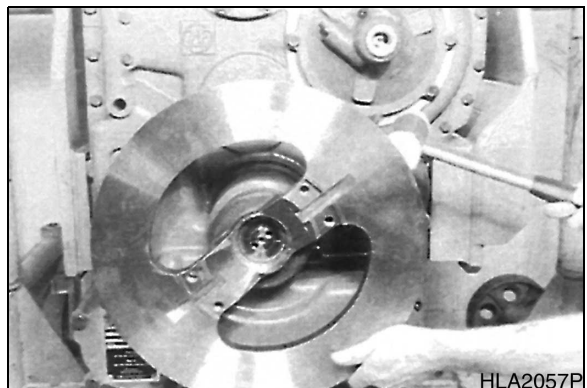


Figure 93

3. Pry shaft seal out of housing bore.

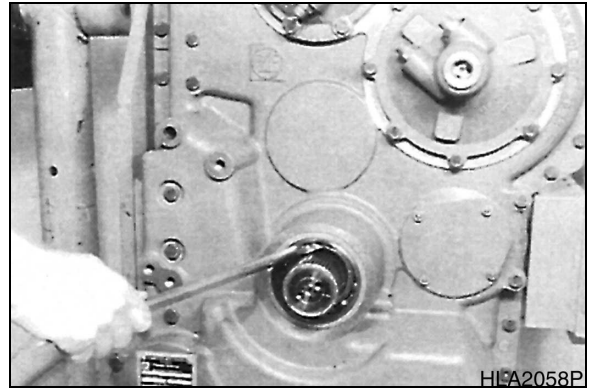


Figure 94

4. Tilt gearbox housing.
5. Remove sealing covers (Figure 95).

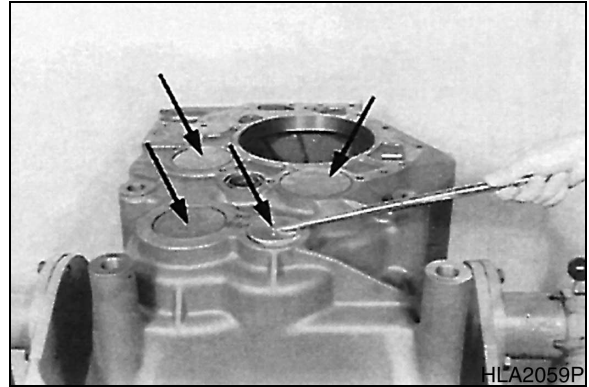


Figure 95

6. Loosen hex. head screws.

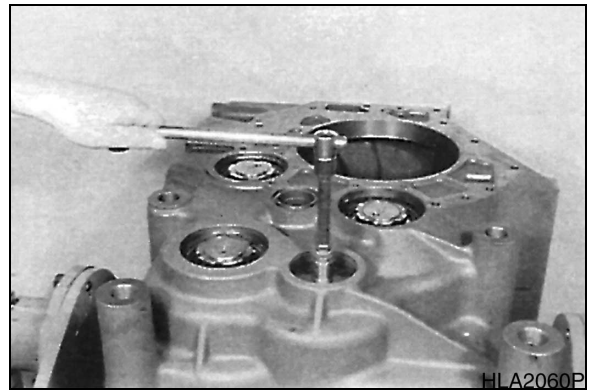


Figure 96

7. Pull idler shaft by means of puller out of housing bore.

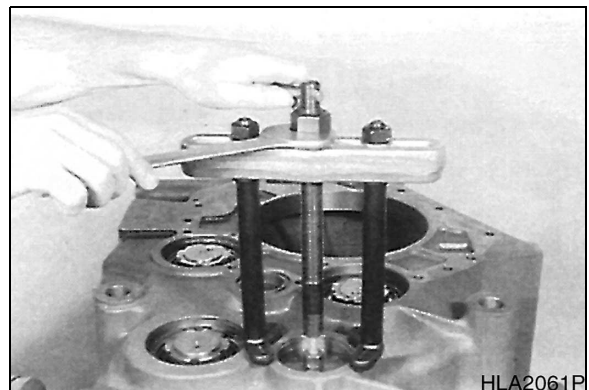


Figure 97

8. Tilt gearbox housing 180°.
9. Loosen hex. head screws and pull bearing cover -K1/KV out of housing bore.

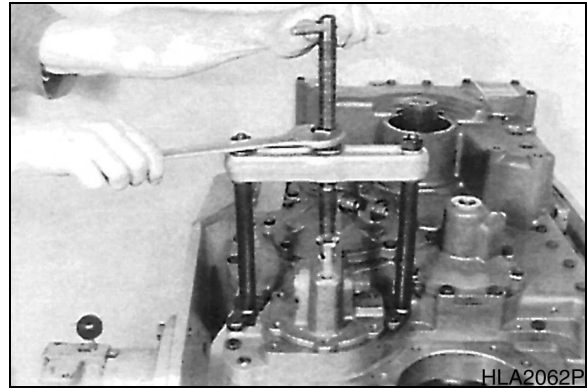


Figure 98

10. Loosen hex. head screws and remove bearing cover KR/K2 and K3/K4.

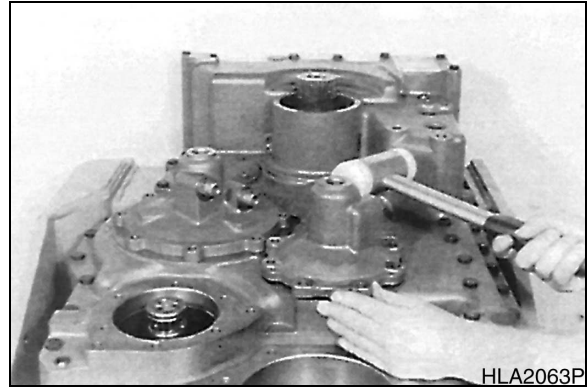


Figure 99

11. Remove rectangular rings (3 pieces/axle), see Figure 100.

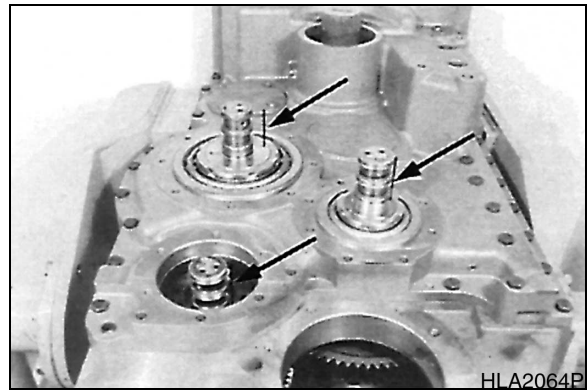


Figure 100

12. Remove snap ring and remove released washers.

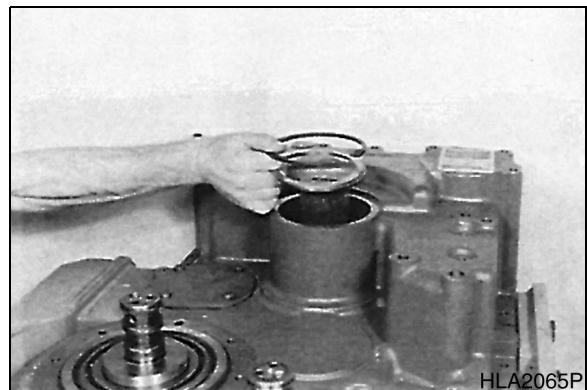


Figure 101

- Support output flange against gearbox housing, see Figure 102.

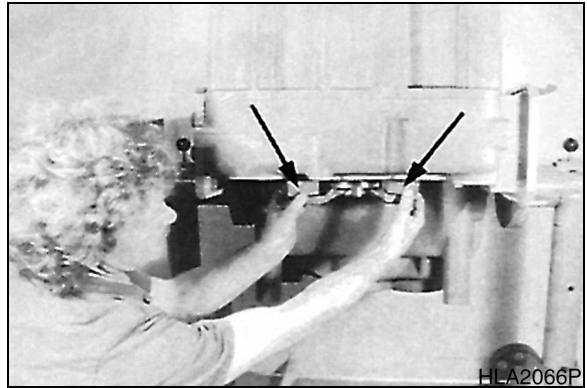


Figure 102

- Loosen hex. head screws and separate housing cover from gearbox housing, using forcing screws and lifting device.

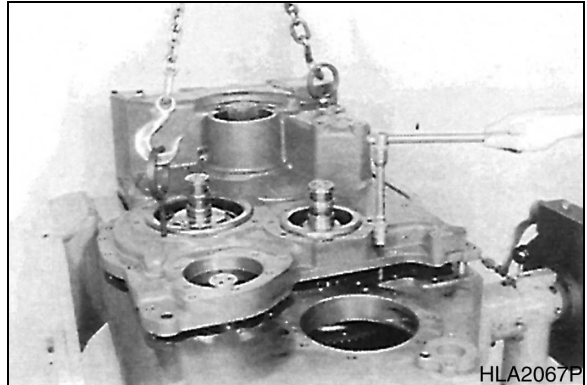


Figure 103

- Unlock and loosen hex. head screws.
- Remove output flange and pry shaft seal out of housing.

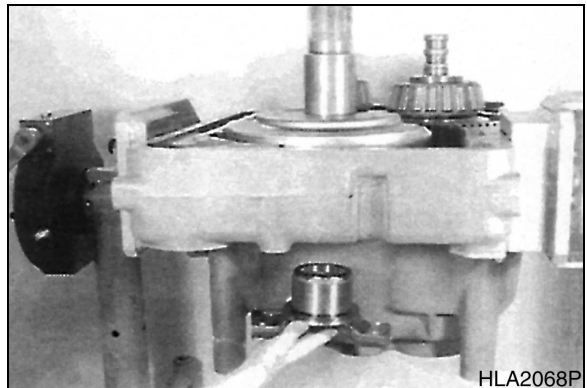


Figure 104

- Loosen hex. head screws and remove oil baffle.

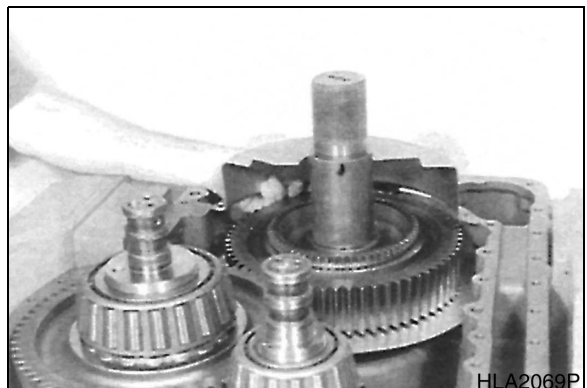


Figure 105

18. Remove output gear along with shaft.

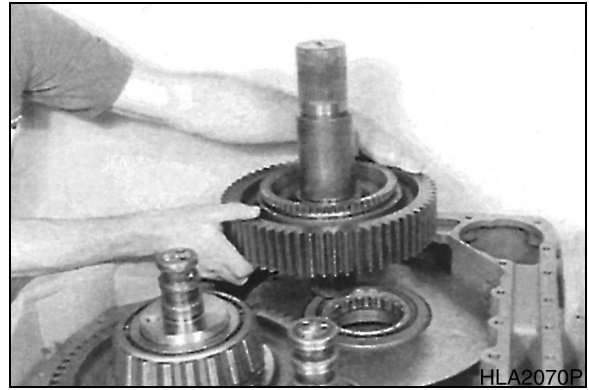


Figure 106

19. Separate output shaft from spur gear.

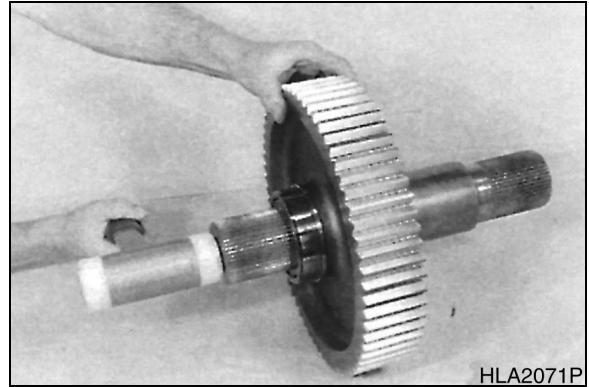


Figure 107

20. Pull inner bearing race from output gear.

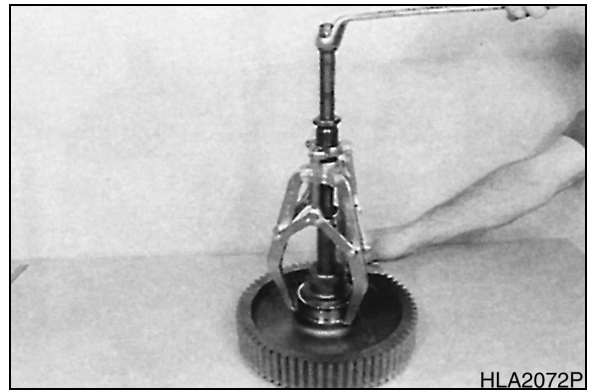


Figure 108

21. Remove plate.

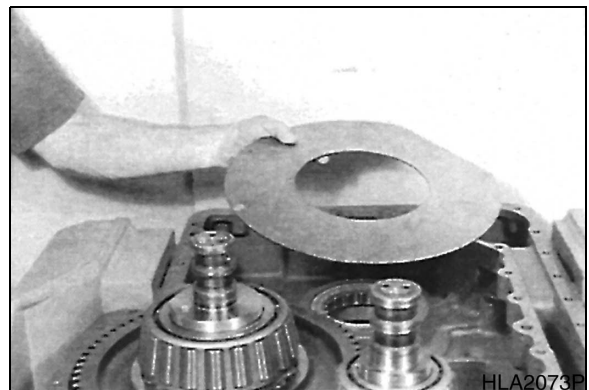


Figure 109

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