

Technical Bulletin 4

Model
911 1987-89

Subject: Modified Clutch Release Lever
Shaft Bearings

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The bearings on the clutch release lever were changed from needle bearings to friction bearings. The release lever shaft bearings in the transmission case were changed from friction bearings to needle bearings.

From production date: April 6, 1989.

Transmission Numbers:

G5001 1K 03381

G5001 2K 01159 - Limited Slip Differential

G50 Transmissions, model years 1987 through 1989, prior to the above transmission numbers should always be converted to the new version when performing transmission or clutch repairs. The old version parts are no longer available.

Required Tools and Supplies

Electric Drill

Special Tool Kit #9292, Porsche part number 000 721 929 20

Oil can ATF

Olista Longtime 3 EP, Porsche part number 000 043 024 00

1 bolt 6mm approx. 80mm long and 6mm nut.

Conversion Instructions

1. Engine and transmission must be removed and transmission detached from engine.
2. Remove old release lever shaft and release lever. Discard old parts.
3. Both release lever shaft bearing support bores in the transmission housing must be cut to fit the new needles bearings.
 - Assemble cutter (9292-1), arbor/guide (9292-2), guide piece (9292-4), spring and guide pin (9292-3) as shown in figure 1.
 - Lubricate cutter and release lever shaft support bores in transmission housing with ATF.
 - Guide preassembled cutting tool into release lever shaft support bores (figure 2).

Note: The spring should be preloaded. If necessary, install spacer (10mm nut) between guide pin and spring. please make sure that 9292-4 is properly positioned in the housing.



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- Use slow speed (approx. 500rpm) electric drill to cut bearing support A in figure 2.

4. Cut bearing support B in figure 3 with guide pin (9292-3), cutter (9292-1) and arbor/guide (9292-2) until cutter bottoms out (noticeable resistance).

Note: Make sure electric drill chuck does not contact transmission housing.

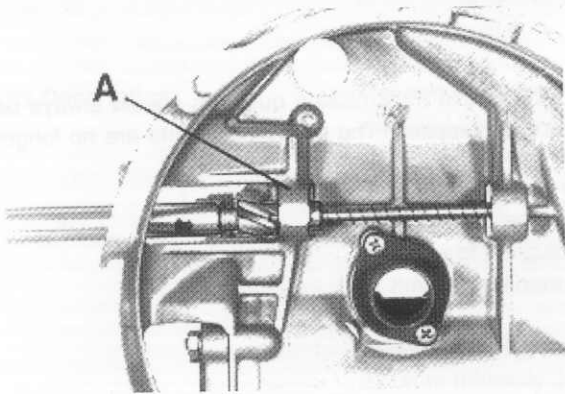


Figure 2

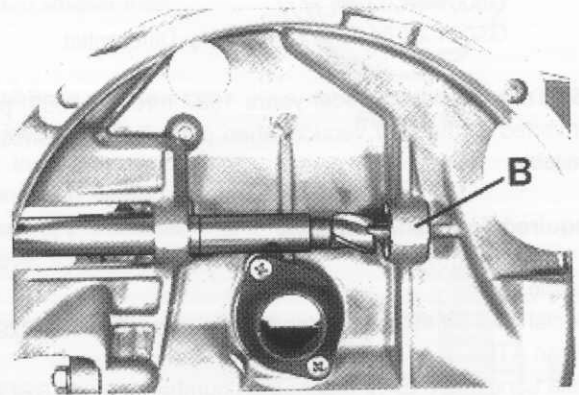


Figure 3

5. Deburr bearing supports and clean bell housing.
6. Guide the closed bearing (8 in figure 4) on the release lever shaft and tap bearing into support B. Remove release lever shaft and lubricate bearing with Olista Longtime 3 EP.
7. Lubricate release lever bushings with Olista Longtime 3 EP. Insert new release lever in release bearing and use piece of adhesive tape to hold release lever in installation position.
8. Attach transmission to engine.
9. Install both seals (6 in figure 4) on release lever shaft. **Check installed direction of seals** (figure 4). Lubricate bearing (4 in figure 4) with Olista Longtime 3 EP and install on release lever shaft.
10. Install 6mm nut approximately 15mm on bolt 6 x 80mm. Install bolt in threaded part of release lever shaft. Insert release lever shaft in release fork from outside. Light tapping on bolt during installation is permissible. Remove 6mm bolt and nut. Remove adhesive tape.
11. Fill cover (3 in figure 4) with Olista Longtime 3 EP and install in bearing support A. Install holder and bolt (1 in figure 4).

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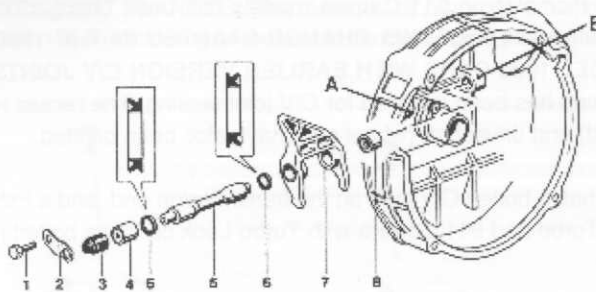


Figure 4

Item	Description	Part Number
1	Bolt	N 010 287 1
2	Holder	950 116 713 02
3	Cover	950 116 725 00
4	Needle Bearing (open)	999 201 339 00
5	Release Lever Shaft	950 116 710 04
6	Seal (2 required)	999 113 418 40
7	Release Lever	950 116 086 05
8	Needle Bearing (closed)	999 201 365 00

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