

Technical Information

Supersedes all previous publications concerning transmission oil and ATF

6-cyl.
1/99

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Transmission oil and ATF for Porsche manual transmissions and automatic transmissions

Serv. No. 3401

Vehicle Type: **All 911 models / all 911 Turbo models and the 914/6 model**

Transmission Type: Manual transmission: **901/.., 902/.., 905/.., 911/.., 914/.., 915/.., 925/.., 930/.., G50/.., G64/..**
 Front-axle final drive: **Z64/00**
 Tiptronic transmission: **A50/..**

Model Year: **1965 to 1998 (W / 993)**

Approval Status: July 1999

Concerns: **Transmission oil and ATF for Porsche manual transmissions and “Tiptronic” automatic transmissions.**

Transmission Oil Approval: **MANUAL TRANSMISSION**

According to the service approval valid until now, all multi-range transmission oils of SAE class 75W-90 with API grade GL5 or MIL specification MIL-L 2105 B (C and D new) were approved for the aforementioned manual transmissions from Porsche.

Studies have shown that not all of the multi-range transmission oils available on the market are suitable for the aforementioned Porsche manual transmissions without restrictions.

In order to ensure that the quality demands on the transmission oil are met, we recommend using the proprietary transmission oils approved for the 911 Carrera (996) for the aforementioned transmission types as well.

Important: From now on, only these proprietary transmission oils are approved for the manual transmissions **G50/.. and G64/..** of the vehicle models 911 Carrera 2 / 4 (all 964 models), 911 Carrera (all 993 models) and 911 Turbo models as of MY 91 (see table on Page 2).

Part Nos.: Transmission oils approved by Porsche and available through the Parts Service:

000.043.204.20 Transmission oil 75W-90 “Mobilube PTX” (20 litre container)
000.043.204.19 Transmission oil 75W-90 “Shell Transaxle” (20 litre container)
999.917.546.00 Transmission oil 75W-90 “Shell Transaxle” (1 litre container)

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Transmission Oil Approval: The transmission oils approved specially for the Porsche manual transmission of the 911 Carrera (996) model can also be used retroactively for subsequent filling / oil changes for all Porsche models.

Allocation of transmission oil for manual transmission, front-axle final drive (four-wheel drive) and rear-wheel final drive (Tiptronic transmission):

| Transmission Type: | Transmission oils: Mobilube PTX 000.043.204.20 or Shell Transaxle 000.043.204.19 | Transmission oils: SAE grade 75W-90 with API grade GL5 or MIL specification MIL-L2105 B/C/D | Capacity in litres |
|---|--|---|-----------------------|
| Manual transmission | | | |
| 901/.. | YES | YES | approx. 2.5 |
| 902/.. | YES | YES | approx. 2.5 |
| 905/.. | YES | YES | approx. 2.5 |
| 911/.. | YES | YES | approx. 2.5 |
| 914/.. | YES | YES | approx. 2.5 |
| 915/.. | YES | YES | approx. 3.0/3.1* |
| 925/.. | YES | YES | approx. 2.5 |
| 930/.. | YES | YES | approx. 3.7 |
| G50/.. | YES | NO | approx. 3.6 |
| G64/.. | YES | NO | approx. 3.8 |
| Front-axle final drive (four-wheel drive) type Z64/00 | YES | YES | approx. 1.2 |
| Rear-axle final drive (Tiptronic transmission) | YES | YES | approx. 0.9 |

* with radiator coil

Explanation: YES = Approved for this transmission type.
NO = Not approved for this transmission type.

Information: With the manual transmission types 901/.., 902/.., 905/.., 911/.., 914/.., 915/.., 925/.. and 930/.., the transmission oil SAE 90 GL5 (MIL-L 2105 B) which was previously approved for these transmissions may continue to be used. This also applies to the rear-axle final drive of the Tiptronic transmission.

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ATF Approval: **TIPTRONIC TRANSMISSION**

The **Automatic Transmission Fluid (ATF)** "Esso ATF LT 71141" – Porsche part No. 999.917.547.00 – approved specially for the Tiptronic transmission of the 911 Carrera (996) model is also suitable retroactively for subsequent filling / fluid changes for all Porsche models with Tiptronic transmission.

Allocation of ATF for Tiptronic transmission:

| Transmission type | Esso ATF LT 71141 999.917.547.00 (container size: 20 l) | ATF with specification Dexron II D or Dexron III | Capacity in litres |
|----------------------------------|---|--|---|
| Tiptronic transmission A50/00 | YES | YES | Total capacity approx. 9.5 Change quantity approx. 3.5 |

References: 911 Carrera (993) Workshop Manual, Volume III:
> Checking ATF level and changing ATF - Page 37 - 101 ff.