



# Technical Bulletin

Subject: New VW ATF / 01M transmission,  
checking ATF level, changing ATF

Group: 37

Number: 95-02

Model(s): All All m.y.

Date: April 11, 1995

## New VW ATF

A new Volkswagen ATF (Automatic Transmission Fluid) is available. **Only the new VW ATF must be used in all Volkswagen Phase II automatic transmissions (types 01M and 01P).** These transmissions have been installed in production beginning in January 1995.

VW ATF is a yellowish-colored fluid unlike the red Dexron® II fluid used previously.

Use Dexron® II transmission fluid only for automatic transmissions in vehicles produced up to and including December 1994. VW ATF can also be used in these transmissions.

**Caution!**  
**Do not use Dexron® , Dexron® II or Dexron® III ATF in 01M or 01P transmissions.**

## Automatic transmission lubricants, VW Part Numbers

Final drive: SAE 75W90 (see note below)  
Part No. G 052 145 A2 (1 Liter container)

VW ATF  
Part No. G 052 162 A2 (1 Liter container)

### Note:

- ◆ *VW ATF is also used in the final drive section of the 01M transmission.*
- ◆ *Check the appropriate repair manual, technical bulletin or owner's manual for correct fluid capacities.*
- ◆ *See the following procedure to check the ATF level or change the ATF in the 01M transmission.*

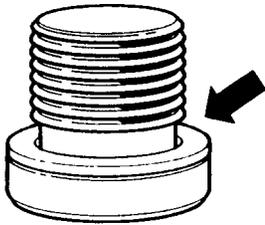
## Automatic transmission 01M,

### ATF level, checking and topping up

VW ATF is available as a replacement part:

Container size 1.0 L - Part No. G 052 162 A2

- ◀ **If the ATF level is checked, the seal -arrow- on the ATF level plug must always be replaced.**



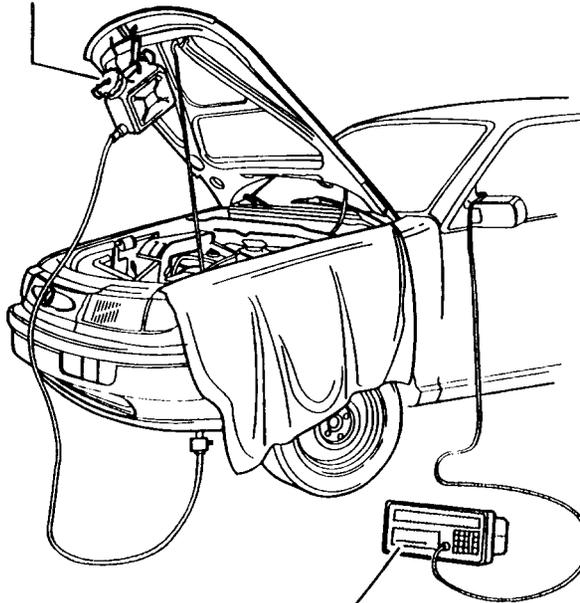
N38-0037

### ATF level, checking

#### Conditions for performing check:

- Transmission not in emergency running mode, ATF temperature not above approx. 30° C (86°F)
  - Vehicle level
  - Selector lever at "P"
- ◀ – Secure reservoir of ATF filling system VAG 1924, or equivalent, to vehicle.
- Connect Scan Tool VAG 1551 and enter address word "02 Transmission electronics" and advance until "Select function XX" indicated on display ⇒ Automatic Transmission Repair Manual, Repair Group 01.

V.A.G 1924



V.A.G 1551

N37-0190

Rapid data transfer	HELP
Select function XX	

Rapid data transfer	Q
08 – Reading measured value block	

Reading measured value block
Enter display group number XX

Reading measured value block	5	→	
40 °C	0011011	0	900 rpm

– Start engine.

– Raise vehicle.

◀ Indicated on display:

– Press keys 0 and 8. (The function “Read measuring value block” is selected with 08.)

◀ Indicated on display:

– Confirm entry with key Q.

◀ Indicated on display:

– Press keys 0 and 5. (05 selects the “Display group number 05”.)

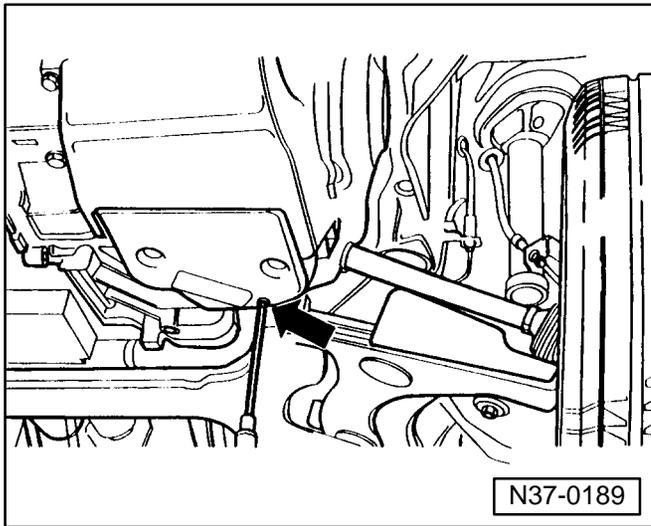
– Confirm entry with key Q.

◀ Indicated on display:

The first display zone shows the ATF temperature.

**Note:**

*The ATF temperature must not be more than approx. 30° C (86° F).*



- ▶ – Remove ATF level plug from the oil pan (arrow).

ATF present in the overflow tube (inside plug hole) runs out.

- Bring ATF to test temperature.

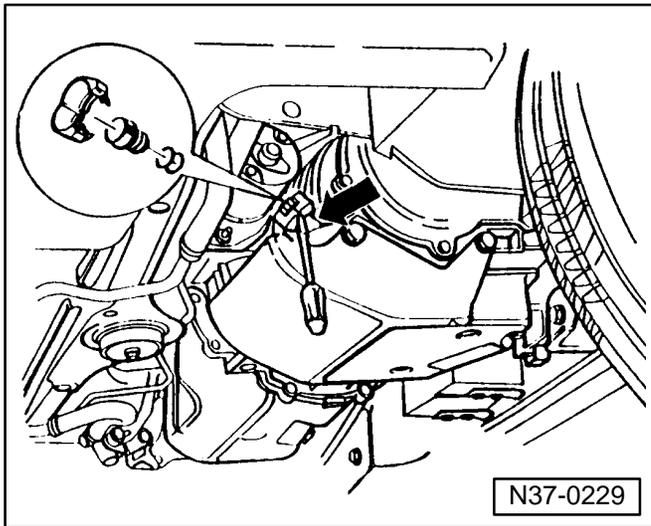
**Test temperature: 35° C to 45° C (95°F to 113°F)**

**ATF drips out of plug hole:**

ATF level does not need to be topped up.

- Install plug with new seal. Tighten plug to 15 Nm (11 ft lb)

**If only the ATF present in the overflow tube comes out of the hole when the plug is removed, top up the ATF level.**



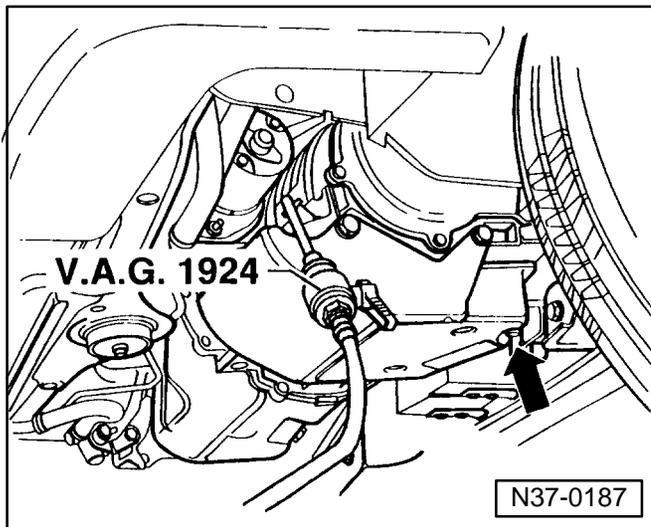
**ATF, topping up**

- Pry off plug securing cap -arrow- with a screwdriver. When prying off the cap the locking device will be damaged, therefore always replace the cap.

**Note:**

*On some transmissions a cap with a spring retainer is installed. This type of cap can be used again.*

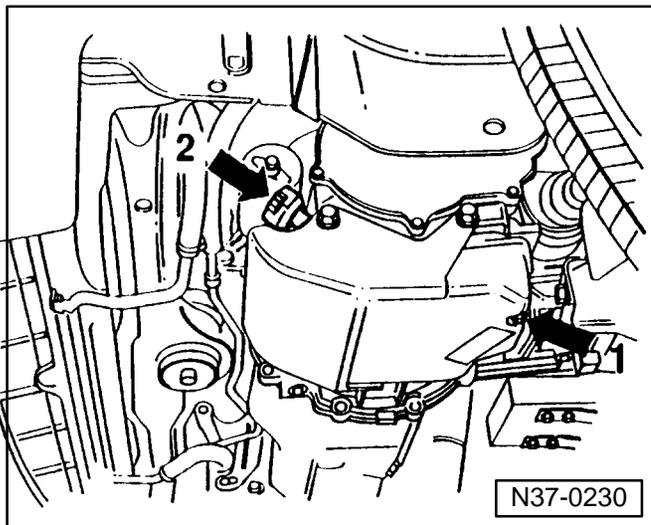
- ▶ – Pull plug out of filler pipe.



- Fill with ATF using VAG 1924, or equivalent, until ATF runs out of level plug hole -arrow-.

**Caution!**

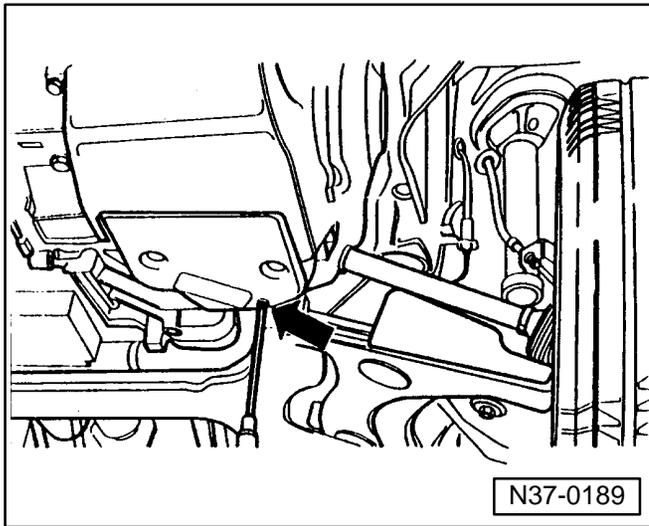
***If the ATF level is too high or too low it will adversely affect the operation of the transmission.***



- Install plug with new seal -arrow 1- and tighten to 15 Nm (11 ft lb).
- Install sealing plug on filler pipe until spring retainer lock locates, or
- Install sealing plug to filler pipe and secure with new cap -arrow 2-.
- Lock cap.

**Caution!**

***Always replace the cap if it is of the separate cap/plug type. The cap secures the plug.***



## ATF, changing

- ◀ – Remove ATF level plug from oil pan (arrow).
- Remove overflow tube through the plug hole.
- Drain ATF.
- Install overflow tube.
- Screw level plug in hand-tight.
- Fill with 3 Liters of ATF through filler pipe.
- Start engine and shift through all selector lever positions with vehicle stationary.
- Check and top up ATF level ⇒ Page 37-1.

**Specification: Use only VW ATF**