

# TCRA

**Torque Converter Rebuilders Association**

## Volkswagen Passat identifications unveiled

As many rebuilders may already know, identification of the Volkswagen Passat may be difficult because some codes are hard to read and the converter looks similar on the outside. It is important to identify Dacco part number RE-10 by using these key points.

First, the code needs to be clearly identified. In Picture 1 and 2, the stamped code is visible on the side of the converter. By carefully looking for the stamp, it will insure you are using and rebuilding the correct stall for the correct application. Currently, there are three known stalls, which include high, medium and low. Picture 3 is an example of a low stall converter, which is usually found in the turbo diesel. Picture 4 shows an example of a high stall converter, which typically appears in the 1.8L gas engine. Although there are several codes, the letters "DD" identify the later model bearing-type converter.

In addition, the code number reveals the bearing's location, which may be directly mounted to the front cover of the converter or inside the input shaft of the transmission. The two codes we are showing display the bearing-type converter. In Picture 5, the bearing assembly is obvious, and can be identified from outside of the torque converter looking from an aerial perspective. The

notches are quickly identified.

Also, on bearing-type converter, the ring gear is attached by several line welds. In non-bearing-type converters, spot welds usually are used. While this difference is irrelevant, it is a fast way for identification purposes.



Photo 2



Photo 5



Photo 1

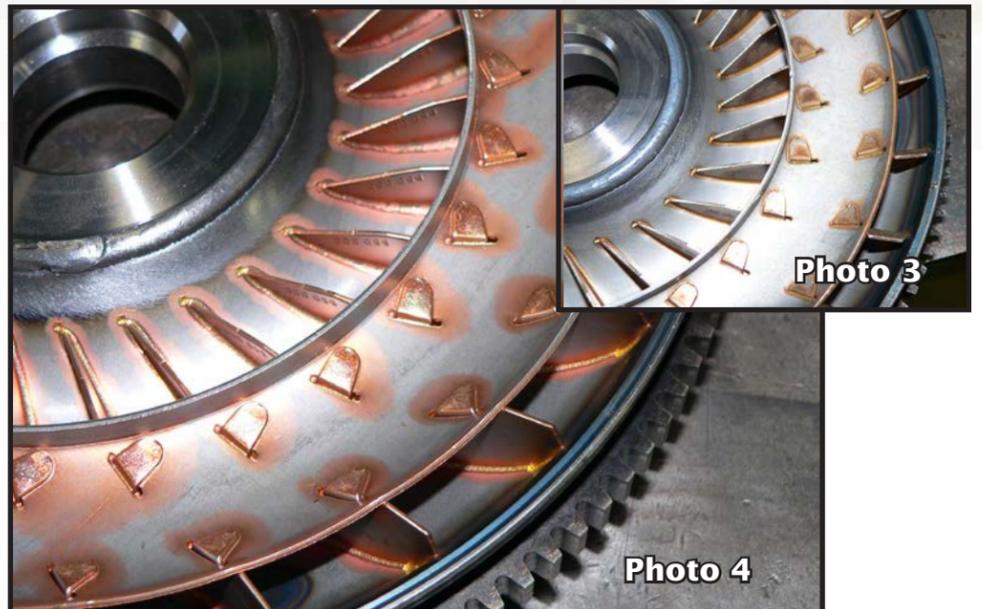


Photo 3

Photo 4

## Taking A Closer Look...

### VW Passat



Overall Height  
**3.735"**

Dacco Part Number  
**RE-10 B**

Application:  
 Volkswagen Jetta and Passat/ 01M trans

Pilot Size  
**.627"**

Degree of rebuild difficulty:  
**6**

Internal Clearance  
**.005" to .015"**

Clutch Clearance  
**.030"**

Common malfunction:  
 Damper cracks

Largest area of concern:  
 T.I.R.

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## Tech Tip

### Interchangeable 48RE drive hubs

By now you know there are differences in the 2003 and up 48RE drive hub. It is one diameter the length of the entire hub in order to accommodate the sealing ring on the stator shaft. Some TC builders are interchanging the hubs with limited success. Whether you are using the late or early hub is up to you.

We recommend to use the correct hub for the correct model.

However, please keep in mind that you will need to instruct you customer which hub you are using because if they leave the sealing ring on the shaft with the early design there is a good chance there will be some type of TC or pump failure.

**Joe Rivera  
ProTorque**



### Contact Information

Joe Rivera ..... President  
joe@protorque.com  
Ed Lee..... Vice President  
ejl@sonnax.com  
Dick Lewis .....Treasurer  
lewisr9355@comcast.net  
Chris Mann .....Secretary  
cmann@superflow.com  
Ken Cluck  
kencluck@msn.com  
Steve Jaussaud  
sgj@sonnax.com  
Mark Mustard  
MustardMachine4u@msn.com  
Don Randolph  
drandolph@daccoinc.com  
Dennis Sneath  
dgsneath@aol.com  
Jan Stimmel  
jmstimmel@yahoo.com  
Len Wack  
lenw@sover.net  
phone/fax .... (802) 885-2292

### 2008 Seminar in the making

MARK YOUR CALENDAR!

Next year's annual TCRA Seminar is already on schedule to be another success. Certified Transmission, located in Omaha, Nebraska, has already agreed to host next year's meeting and facility tour. May 16th and May 17th, 2008, will be packed with new informational seminars, influential industry speakers and good ol' fun. Look here for updates.

The new year is approaching, so why not make your New Year's Resolution a bit early. The TCRA is looking for new insight and new members to open the lines of communication between rebuilders and industry representatives. Being part of an organization requires more than reading member articles, reaping the benefits of free advertising and learning more about the industry you take part in. Being a member of an organization requires the member to be committed to the vision of the founders. Being a leader in an organization requires you to influence others to follow the vision, and this is achieved through involvement.

Without involvement, this newsletter would not be written, our web site would

not be active and the annual seminar would not take place. Each piece of this organization requires members to be involved.

Think you'd like to influence the industry around you? Apply for position on the board of directors. The TCRA is looking for additional assistance in organizing events, submitting articles and growing the organization to its fullest potential.

Over the past, highly dedicated members have made most of the contribution and effort. It's your turn! Fill out the insert, available in this edition of the TCRA newsletter, or email your submission to Len Wack at lenw@sover.net. Each application will be reviewed by the board of directors. This invitation is for everyone, so apply Today!

### Items For Sale



**REWARD:**  
**\$50.00 US for TO-2 High Stall**  
Contact: Robert Shaw @ 706-216-6569  
Shaw Automotive & Core Supply



Questions or comments? Contact the TCRA newsletter by e-mail at [tcra2002@aol.com](mailto:tcra2002@aol.com), visit the web [www.tcraonline.com](http://www.tcraonline.com) or contact Dennis Sneath, board member and newsletter committee team lead.

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