

02 COOLANT SEEPAGE FROM WATER PUMP

If you encounter some minor coolant seepage at the coolant drain hole located on the passenger's side of the water pump, this is a normal condition and replacement of the water pump is NOT required.

This seepage may already be dry or slightly wet when inspected. A drop of coolant may be adhered to this area but no further seepage is found even when the engine is revved up.

Reason:

The water pump shaft is sealed with a mechanical type seal between the pump and the outer housing.

This mechanical seal is lubricated by engine coolant and because of its construction, some coolant will seep out. Therefore, a coolant drain hole is provided.

This can be compared to the water pump used on the Justy engine of years ago. It had the same type seal and a slight amount of coolant at the drain hole was considered normal.

11 DIAGNOSTIC TROUBLE CODES AFTER WWK-94

If you have a vehicle come in with any of the following Diagnostic Trouble Codes (DTCs), check the Vehicle History to see if prior work was performed on the transmission that involved removal of the transmission oil pan. The Technical Support Line has received several calls concerning these codes on vehicles where the WWK-94 campaign had recently been done.

The codes are:

| ECM | TCM | ABS |
|-------|-----|-----|
| P1700 | 31 | 44 |
| P1711 | 38 | |
| P1712 | 45 | |

In most cases, these codes were the result of a loose ground wire in the transmission where it fastens to the valve body. Tightening the ground wire was all it took to repair the problem.

Be advised that this condition is considered a comeback and is NOT a matter for warranty.

11 ECM CALIBRATION IDENTIFICATION NUMBERS

When calling the Technical Support Line with any issue concerning the vehicle ECM, make sure you have the ECM Calibration Identification Number (CAL. I.D.).

To obtain this number, use the New Select Monitor (N.S.M.) and proceed as follows:

1. Turn the Monitor on and select 'Each System Check' from the menu.
2. Select 'Engine Control System'.

Engine type is shown.

3. Press 'Yes'.

4. Select 'OBD System'.

5. Select 'Getting of Vehicle Identification' at the bottom of the menu.

6. The next screen should show two (2) numbers. A 'Verification I.D.' and the 'Calibration I.D.'

7. We need the first 8 digits of the Calibration I.D. number.



CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.

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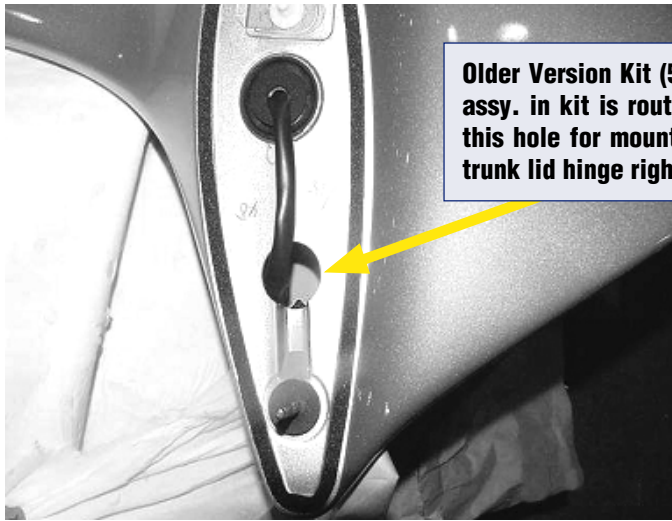
There is a part number change to the rear spoiler kits on all 2002 and up Impreza sedans. The new kit provides an easier installation and a cleaner look. Part #E7210FE501 and E7210FE502 will be available consecutively.

The most important difference in the "502" is the retention cable. It is affixed to the spoiler through front mounting stud. This means that no holes have to be drilled into the decklid for the retention cable. Additionally, the seal around the cable and removal and reinstallation of hinge bolts is no longer required.

Please be aware of the following situations:

1) Pay close attention to what spoiler kit is being installed on a vehicle for the first time. There are important differences between spoiler kit number "501" and "502". Please go to www.subarunet.com for a complete copy of the installation instructions for either kit.

2) If a vehicle had a spoiler previously installed (kit #501) and only kit #502 is available, the installer will need to ensure that the sheet metal foam piece is reinstalled to provide a tight seal around the hole previously drilled for the cable. A new sheet metal foam piece (part # E7210FE520) is available if the original foam piece is not reusable.



Older Version Kit (501): Cable assy. in kit is routed through this hole for mounting on the trunk lid hinge right and left.

The spoiler part numbers listed are invalid without the ending two digit color code.



New Version Kit (502): Has pre-installed cable that is incorporated with the front stud on each side of the spoiler.

2004MY Turbo models of the Baja and Forester will be equipped with a smaller sized (68mm) oil filter instead of the current 80mm size.

Please keep this in mind when you service these 2004MY vehicles.

The larger 80mm size filter should not be fitted to turbo engines of 2004MY Baja & Forester vehicles.

If you have a situation where the Baja soft bed cover needs to be replaced do not order the entire kit. You should order the soft cover only, part number L0010LS030 or L0010LS031 depending on which soft cover kit you have.

To find out which kit you have, look at the rear rail that came with the kit which is attached to the rear tailgate. With the tailgate in the up position, look on the inside for the attaching screw furthest to the left, (driver's side). Then look for a very small dimple ½ inch to the right of the center of that left hole. If there is a dimple, a small round hole which does not go through the rail, then you have the newer style kit.

There is a difference in the size of the bed covers, so be sure to order the right kit for the vehicle you are working on.

All new replacement soft covers now come with latches attached. They are there to install a bow to aid in rain water drainage. The new style comes with the bow. If the customer wants a bow for the old style kit, it can be ordered separately.

Parts Information

Old Style

L0010LS030 -- Soft cover replacement part includes two latches

L0010LS080 -- Support bow. If the customer wants a bow, you will need to order it separately.



New Style

L0010LS031 -- Soft cover replacement part (the support bow is included in the original kit).

All the bed cover kit parts are available and listed in the 2000-2003 Accessory Manual MSA6A0212.

You can also refer to Parts Bulletin PT100103 for more information.



The Technical Support Line has supplied dealers with a fax form to be used whenever they have an ECM that requires reflashing.

This form can be found in the September/October 2002 issue of T.I.P.S.

It was hoped that this form would eliminate/lessen the need for dealers to call us directly and thus speed up the process.

However, many dealers are still calling in with the vehicle information and requesting we fax them the form that authorizes the ECM to be sent in to SOA.

If you have an ECM that you know needs to be sent to SOA for

reflashing, please use this fax form. The fax machine is available 24 hours a day.

If you are rebuilding a WRX 5M/T and during the rebuild, it is necessary to replace the 3-4 gear set, we suggest you consult Part Bulletin PT070302.

The Technical Support Line has gotten a few calls where the transmission was popping out of 3rd gear after replacing the 3-4 gear set.

Installation of the new part set mentioned in the above bulletin should prevent this problem from happening.

2003 CALENDAR OF SUBARU HOLIDAYS

- New Year's Day: Wednesday, January 1, 2003
Presidents' Day: Monday, February 17, 2003
Memorial Day: Monday, May 26, 2003
Independence Day: Friday, July 4, 2003
Labor Day: Monday, September 1, 2003
Thanksgiving: Thursday, November 27, 2003; Friday, November 28, 2003
Christmas: Thursday, December 25, 2003; Friday, December 26, 2003
New Year's Day: Thursday, January 1, 2004

TechTIPS INPUT & SUGGESTIONS

This is your chance to offer suggestions for use in future issues of TechTIPS!

MODEL: _____

YEAR: _____

VIN: _____

Description of situation encountered: _____

Your suggestion for repair procedure, product improvements, etc.: _____

Please attach separate sheets, if necessary. You may also want to include Service Manual diagrams or references, or your own drawings to assist in describing your suggestion. All information submitted becomes the property of Subaru of America, Inc. Permission is granted to Subaru of America, Inc. to print your name and suggestions in T.I.P.S. and other Subaru of America, Inc. publications. Mail items to: PO Box 6000, Cherry Hill, NJ 08034-6000.

Your Name: _____ Signature: _____

Dealer's Name: _____ City: _____

Date: _____ Dealer Code: _____