

JUNE

TECH T.I.P.S. 2001

TECHNICAL INFORMATION PERTAINING TO SUBARU

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SERVICE

AUTOMOTIVE

Youth Educational Systems

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

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(01) SERVICE PUBLICATIONS NEW PUBLICATIONS ORDER NUMBER

Starting on June 1, 2001 Service Technical Information Company will be the fulfillment company for Subaru Service publications. We are in the process of changing the information in the Fedworld site to reflect this. The new phone number for service publications will be 1-866-428-2278. Orders will be taken from 8:30 to 5:00 (eastern time) Monday through Friday. Voice mail will be available during off hours.

(02) 2002MY WRX TURBO COOL DOWN PROCEDURE

FHI's position regarding this is that it is not necessary to perform a "cool down/idling" procedure, as was recommended with past turbo models. Our current 2.0L turbo engine has a far greater cooling capacity and, coupled with technology advances, makes this practice no longer necessary. This explains why information about a cool down is not included in the 2002MY Impreza Owner's Manual.

The heat contained in the turbo charger, will begin to vaporize the coolant at the turbo charger after the engine is stopped. This hot vapor will then enter the coolant reservoir tank, which is the highest point of the coolant system. At the same time the vapor exits the turbo charger, coolant supplied from the right bank cylinder head flows into the turbo. This action cools the turbo charger down. This process will continue until the vaporizing action in the turbo charger has stopped or cooled down.

(06) 2002MY IMPREZA BRAKE ROTOR "SCORING"

2002MY Impreza brake rotors are treated with Da-Cromet, a silver colored rustproofing, which will help keep the rotor surfaces from rusting during the initial stages of transportation.

Appearance of the front brake rotors (looking like they are scored) comes from the ingredients of the Da-Cromet coating and the brake pad material. When heated due to repeated and sudden stopping, the coating turns into a grain-like substance and adheres to the pad and rotor. This gives it the appearance of looking like the rotor is scored.

Some of the Da-Cromet grains are usually left behind on the rotor surface and the brake pad. This material will look like a silver line/score on the rotor surface. After several thousand miles of driving, the grains and lines will disappear from the rotor surface.

The Da-Cromet coating tends to easily create this condition on the 2002 Impreza rotor due to a reaction of the pad material (which is different from other models) reacting with the coating. Because of the performance requirements of this particular brake pad, no changes are pending.

The Da-Cromet grains/lines will not influence the performance of the braking system or contribute to any noise condition. The rotors should not be cut to eliminate this appearance of the rotor.



(07) IN DASH CIGARETTE LIGHTER USAGE

The Owner's Manual statement that the in-dash cigarette lighter cannot be used as an accessory power outlet has prompted many questions from customers. Please note that Fuji Heavy Industries included that statement in the manuals in the interest of safety for the customer.

If the in-dash lighter receptacle is ever used for a plug-in accessory such as a cellular phone, that may damage the portion of the receptacle's internal mechanism (bi-metal) that causes a cigarette lighter plug to "pop out" after its lighter element is heated. Placing a lighter plug in a receptacle that has been damaged by a plug-in accessory may cause the plug to stick and overheat, which may in some cases cause a fire in the receptacle that can spread to surrounding areas.

However, in the interest of customer satisfaction, Fuji Heavy Industries has agreed to change subsequent Owner's Manuals to allow the use of the in-dash receptacle as an accessory plug but only if it is not also used as a cigarette lighter.

NOTE: The cigarette lighter receptacle can be used as a cigarette lighter OR an accessory plug but cannot be used as a cigarette lighter AND an accessory plug. If the lighter socket is used even once for an accessory plug-in item, then it must not ever be used to operate the cigarette lighter element. As the Owner's Manual will now indicate, the entire socket must be replaced if the customer ever wants to use it as a cigarette lighter again.



**JUNE 2001
TECHNICAL SUPPORT "TechTIPS" LOCATOR INDEX**

In order to make it easier for you to find recent information published in the Technical Support *TechTIPS*, we will be publishing a new Technical Support *TechTIPS* Locator Index twice a year, one in June and one in December.

LOCATOR INDEX REMINDER: This is the Summer Edition of the Technical Support *TechTIPS* Locator Index. The next Locator Index will be printed in December 2001. Please note that this, and future editions, **will contain information only going back to 1995**. The previous edition, published in June 2000, contained information dating back to 1991. We hope you held on to it.

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CRUISE CONTROL FOR 2.2 LITER '96MY IMPREZA MANUAL TRANS VEHICLES	12/95
CRUISE CONTROL FOR NEWER LEGACY MODELS	12/95
LEGACY REMOTE KEYLESS ENTRY SYSTEM	12/95
LEGACY KEYLESS ENTRY DIAGNOSIS	01/96
LEGACY ACCESSORY KEYLESS ENTRY SYSTEM	01/96
LEGACY ROOF RACK INSTALLATION INFORMATION	02/96
INSTALLATION INSTRUCTION SUPPLEMENT FOR 96MY IMPREZA FOGLAMP KIT #H4510FA100	04/96
INTERIOR LIGHTS STAY ON LEAVING CAR	04/96
'95 & UP LEGACY LSi KEYLESS REMOTE SYSTEM	04/96
KEYLESS ENTRY ERRATIC TRANSMITTER OPERATION	05/96
MODIFICATION TO KEYLESS ENTRY SYSTEM INSTRUCTIONS	05/96
REVISED 1996 1/2 AND 1997 LEGACY CRUISE CONTROL SUPPLEMENTAL INSTALLATION INSTRUCTIONS	07/96
1995/96 SUBARU LEGACY W/POWER ANTENNA	08/96
'97 LEGACY KEYLESS ENTRY	08/96
LEGACY OUTBACK TRAILER HITCH HARNESS	08/96
LEGACY OUTBACK CROSSBAR INSTALLATION TIPS	08/96
LEGACY LSi SECURITY SYSTEM	10/96
1996 IMPREZA ACCESSORY KEYLESS ENTRY KIT H7110FS000	01/97
1997 IMPREZA ACCESSORY CRUISE CONTROL	01/97
OUTBACK ROOF RACK CROSSBAR BOLT PART NUMBER CORRECTION	01/97
LEGACY SUBWOOFER/PREAMP, P/N H6300AS030	02/97
LEGACY OUTBACK TRAILER HITCH WIRING HARNESS	02/97
LEGACY KEYLESS ENTRY WITH SECURITY UPGRADE	02/97
CORRECTION TO INSTALLATION INSTRUCTIONS FOR KEYLESS ENTRY KITS H7110AS000 AND H7110AS300 FOR 1995 AND 1996 LEGACY	02/97
1997MY IMPREZA KEYLESS ENTRY KIT H7110FS000 WITH INCORRECT WIRING HARNESS	02/97
1997MY LEGACY KEYLESS ENTRY/SECURITY SYSTEM PROGRAMMING BUTTON LOCATIONS	02/97
1997 LEGACY KEYLESS ENTRY & SECURITY UPGRADE MODIFICATIONS	03/97

LEGACY KEYLESS ENTRY/SECURITY SYSTEM UPGRADE	04/97
'97 IMPREZA FOGLAMP INSTALLATION TIPS FOR KIT #H4510FA200	05/97
1997 LEGACY; PROGRAMMING REPLACEMENT KEYLESS ENTRY CONTROL UNIT	07/97
NEW CD CHANGER INSTALLATION PROCEDURES	08/97
FORESTER REMOVABLE ANTENNA	09/97
1996 SUBARU LEGACY KEYLESS ENTRY SYSTEM NOT OPERATING CORRECTLY	09/97
SUBARU KEYLESS ENTRY BATTERIES	09/97
ACCESSORY GAUGE PACK INFORMATION	10/97
1998 FORESTER KEYLESS ENTRY SYSTEM INFORMATION	10/97
1998 IMPREZA CRUISE CONTROL CONNECTOR	01/98
KEYLESS ENTRY SYSTEM OPERATION	01/98
FORESTER ACCESSORY BRUSH GUARD	01/98
1998 IMPREZA FOGLIGHT KIT #H4510FA200	02/98
1998 SUBARU FORESTER POWER MIRROR KIT	03/98
UPDATE OF KEYLESS ENTRY BULK HEAD HARNESS CHANGE	04/98
KEYLESS ENTRY/ALARM SYSTEM UPGRADE	04/98
1998 IMPREZA FOGLIGHT KIT #H4510FA200/220 CORRECTION	04/98
SUBARU KEYLESS ENTRY/SECURITY SYSTEM REFERENCE GUIDE	04/98
SUBARU ACCESSORY INSTALLATION MANUAL	04/98
PROGRAMMING SVX ALARM SYSTEMS	04/98
1998 SUBARU FORESTER POWER MIRROR KIT P/N CORRECTION	05/98
LEGACY STATION WAGON AUDIO HARNESS	05/98
ACCESSORY OPERATOR INSTRUCTIONS FOR 1999MY	07/98
1999MY LEGACY ACCESSORY CHANGES AND CORRECTIONS	07/98
REAR DIFFERENTIAL PROTECTOR	08/98
POOR AM RADIO RECEPTION ON FORESTER VEHICLES	10/98
1999MY LEGACY ACCESSORY CRUISE CONTROL	11/98
KEYLESS ENTRY/SECURITY SYSTEM TRANSMITTER BATTERIES	01/99
1999 CAL. SPEC. IMPREZA SECURITY KIT AVAILABILITY	01/99
SHOCK SENSOR MOUNTING FOR FORESTER/IMPREZA WITH SECURITY UPGRADE	01/99
KEYLESS ENTRY INTO 1999 FORESTER VEHICLES WITH 'ALL WEATHER PACKAGE	01/99
KEYLESS AND SECURITY SYSTEM QUALITY IMPROVEMENTS	01/99
1999MY FORESTER RADIO NOISE/POOR RECEPTION	04/99
1999MY FORESTER - CLICKING NOISE FROM RIGHT FRONT SPEAKER	05/99
ALPINE KEYLESS ENTRY WITH SECURITY UPGRADE SYSTEM OPERATION REMINDER	07/99
LIGHTED MIRROR SUNVISOR REPLACEMENT BULBS	08/99
NO RADIO VOLUME - 2000MY LEGACY LIMITED MODEL WAGONS	08/99
1999/2000MY LEGACY ALPINE KEYLESS ENTRY/SECURITY SYSTEM DOME LIGHT OPERATION	10/99
TRAILER HITCH BIKE ATTACHMENT	11/99
2000MY LEGACY REAR SPOILER	11/99
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REAR GATE BAR P/N E7510LS001 2000MY LEGACY WAGONS	05/00
COMPASS MIRROR 2000MY LEGACY/2001MY FORESTER	05/00
ELECTROCHROMIC COMPASS MIRROR	05/00
ACCESSORY INSTALLATION INSTRUCTIONS ON WEB	05/00
CD PLAYER/CHANGER VISUAL REFERENCE	05/00
PERFORMANCE GAUGE PACK OPERATION	05/00
2000MY LEGACY/OUTBACK HOOD DEFLECTOR 'W' CLIPS INSTALLATION	07/00

REPLACING A KEYLESS ENTRY TRANSMITTER BATTERY	08/00
2001MY FORESTER FRONT SPLASH GUARD INSTALLATION (P/N J1010FC000)	08/00
ACCESSORY BLOCK HEATERS	10/00
INTERNAL TRUNK RELEASE HANDLE	01/01
2002MY IMPREZA ACCESSORY APPLICATION - COMPASS MIRROR	03/01
2002MY IMPREZA TRAILER HITCH P/N L1010SS000	03/01
2002MY WRX/IMPREZA TECH T.I.P.S. SPECIAL EDITION	03/01
CROSS BAR POSITIONING	05/01
SHORT THROW SHIFTER	05/01

16-AUTOMATIC TRANSMISSION

ECVT LOSS OF LINE PRESSURE	03/95
95MY 4EAT VEHICLE NOISE	05/95
1995 SUBARU LEGACY/IMPREZA SHIFT LOCK DIAGNOSIS	09/95
4EAT LOW OR ERRATIC LINE PRESSURE	09/95
REPEAT ECVT ECU FAILURES	10/95
CORRECT AXLE RATIOS	11/95
OVER-CAUTIOUS NOVEMBER UPDATE "CORRECT AXLE RATIOS" INFORMATION	12/95
1996 SUBARU LEGACY ATF COOLER HOSE RE-ROUTING	02/96
CHANGE IN CONFIGURATION OF 4EAT PINION SHAFT	04/96
4EAT DELAYED ENGAGEMENT INTO DRIVE WHEN WARM	05/96
MANUAL ROM ID...ERROR 3	05/96
4EAT AWD EXTENSION CASE ROLLER BEARING REMOVAL	07/96
4EAT SYSTEMS DIAGNOSIS	07/96
4EAT TRANSMISSION BINDING IN TURNS	08/96
LATE (1995) & 1996MY TRANSFER CLUTCH CHATTER	09/96
LIMITED SLIP ADDITIVE	11/96
4EAT COLD WEATHER OPERATION	11/96
4EAT SPEED SENSORS	04/97
CHECKING TIRE PRESSURES AT PDI	05/97
REMANUFACTURED TRANSAXLE PROGRAM	07/97
VEHICLE ENGINE RPM GOES TO ZERO WHEN COMING TO A STOP	08/97
1998 SUBARU IMPREZA FWD FUSE HOLDER	11/97
REAR AXLE BINDING ON TURNS - (ONE MORE TIME)	01/98
1999 2.2L 4EAT SUBARU LEGACY MODELS HARSH DOWNSHIFTING	09/98
1999 4EAT TRANSMISSION OPERATION	10/98
TRANSMISSION REPAIRS OR REPLACEMENTS	04/99
TRANSMISSION CONTROL UNITS (TCM) PART NUMBERS	09/99
1999MY AND LATER (SECOND GENERATION 4EAT) TROUBLE CODES	02/00

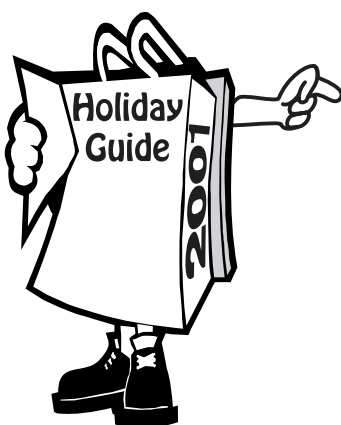
17-SRS AIR BAG

1995 SUBARU LEGACY PASSENGER SRS	06/95
DIAGNOSING SRS (AIR BAG) CODES	07/95
REMOVAL OF PASSENGER'S AIR BAG MODULE	04/96
DEPLOYED SRS AIR BAGS	06/96
PASSENGER'S SIDE AIR BAG	11/96
DEPOWERED AIR BAGS	02/98
ALL 1998 MODEL AIR BAG APPLICABILITY	03/98
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 10 YEAR SRS INSPECTIONS 08/00
 DIAGNOSING SRS (AIR BAG) CODES 10/00

18-SERVICE MANUAL CORRECTIONS

1995 SUBARU LEGACY SERVICE MANUAL CORRECTIONS 03/95
 1995 LEGACY SERVICE MANUAL REVISION 07/95
 1996 LEGACY SERVICE MANUAL SUPPLEMENT 09/95
 IMPREZA SERVICE MANUAL SUPPLEMENT 12/95
 SERVICE BULLETIN MANUAL AND SERVICE HELPLINE UPDATE SUPPLEMENT 12/95
 1998 IMPREZA SERVICE MANUAL 11/97
 COPYING PAGES FROM SERVICE MANUALS 03/98
 CORRECTION TO SUBARU FORESTER SERVICE MANUAL 04/98
 EVAPORATIVE SYSTEM DIAGNOSIS T.R.B. CORRECTIONS 08/99
 2000MY SUBARU LEGACY AND IMPREZA SERVICE MANUALS 01/00
 REAR WHEEL ALIGNMENT SPECIFICATION CORRECTION 01/00
 2000MY SUBARU LEGACY SERVICE MANUAL CORRECTION 02/00
 SERVICE BULLETIN 13-74-00 CORRECTION 08/00
 SERVICE MANUAL CORRECTIONS, 2001MY FORESTER AND LEGACY 08/00
 SERVICE MANUAL CORRECTION 2001MY LEGACY 08/00
 CORRECTION TO SERVICE BULLETIN 10-70-00 03/01



SUBARU OF AMERICA, Inc.	
2001 Scheduled Holidays	
Independence Day	Wednesday, July 4, 2001
Labor Day	Monday, September 3, 2001
Thanksgiving	Thursday, November 22, 2001 Friday, November 23, 2001
Christmas	Monday, December 24, 2001 Tuesday, December 25, 2001
New Year's Day	Tuesday, January 1, 2002



"TechTIPS" INPUT & SUGGESTIONS

This is **your** chance to offer suggestions for use in future issues of *Tech T.I.P.S.!*

MODEL: _____

YEAR: _____

VIN: _____

Mail or Fax to:
Subaru of America
Subaru Plaza
PO Box 6000
Cherry Hill, NJ
08034-6000
Fax: 856-488-3136

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.

Your Name: _____ **Signature:** _____

Dealer's Name: _____ **City:** _____

Date: _____ **Dealer Code:** _____