



SUBARU SERVICE

TECHTIPS NEWSLETTER LOCATOR INDEX UPDATED THROUGH APRIL 2023

This list is most efficient when searched using CTRL+F

TABLE OF CONTENTS

Click title below to jump to section

[**01 - General Information**](#)

[**02 - Engine**](#)

[**03 - Drive Train-Transaxle**](#)

[**04 - Steering**](#)

[**05 - Suspension-Wheels & Tires**](#)

[**06 - Brakes**](#)

[**07 - Electrical**](#)

[**08 - Instrument & Controls**](#)

[**09 - Cooling, Fuel, & Exhaust System**](#)

[**10 - Heating Ventilation & A/C Systems**](#)

[**11 - Emission Systems**](#)

[**12 - Body, Glass, & Upholstery**](#)

[**13 - Paint**](#)

[**14 - Special Tools**](#)

[**15 - Accessories**](#)

[**16 - Automatic Transmission**](#)

[**17 - SRS Air Bag**](#)

[**18 - Service Manual Corrections**](#)

[**19 - Special Edition**](#)

[**20 - EV \(Electric Vehicle\)**](#)

01-General Information

Legacy Knocking Noise, Rear of Vehicle When Driven Over Bumps.....	07/91
Justy Fuel Injection System Service Manual Supplement Section 2-7.....	08/91
In-transit Spark Plug Fouling Protection	09/91
Kats Wax Transit Coating Remover Precautions	10/91
Lemon Law Responsibilities.....	11/91
PDI Coolant Check - All Models.....	11/91
Parts Related Inquiries	02/92
Legacy and Loyale Normal Operating Characteristics	04/92
All SPI Models Throttle Body Gasket Replacement.....	05/92
Towing a Front Wheel Drive 5-Speed Legacy.....	06/92
Location of Engine, Transmission, and Production Date Information	11/92
Ordering “D” Check Manuals.....	02/93
Odometer Labels.....	02/93
Impreza Side Guard Moldings.....	03/93
Impreza Key Codes	05/93
Impreza Side Moldings.....	05/93
1993MY SVX Model Code PKB “LSL”	06/93
All Models with PDI Connector for Storage	06/93
Diagnostic Trouble Codes	07/93
Flat Towing Subaru Vehicles	08/93
All Models Lock Cylinder Key Coding.....	09/93
Warranty Full History Inspection	09/93
Towing	10/93
Legacy Front Washer Nozzle Clogged.....	10/93
All Models with All Wheel Drive Systems, Use of the Space Saver Spare Tire or T-Spare Tire.....	11/93
All Models Equipped with Knock Sensors	11/93
Tool Ordering Procedures	12/93
October Update Revision - Poor Radio Reception AM or FM	12/93
1993MY Legacy and Impreza ECU Operation with Select Monitor	01/94
Diagnosis of Noises Over the Phone.....	02/94
Justy Diagnostics.....	03/94
Recall Campaign Announcement – WZG-55	05/94
Replacement of Ignition Relays.....	05/94
Repair Information.....	05/94
Requests to Return Parts for Inspection.....	05/94
Use of Trouble Code Diagnostic Trees in Service Manuals	05/94
1994MY Impreza Equipment Changes.....	06/94
Legacy, Impreza, and SVX Service Manual Supplements	06/94
Select Monitor Cartridge-‘95MY Impreza	10/94
1995MY Legacy Outback Wheel Cover Specifications.....	11/94
1995MY Legacy Service Manual.....	12/94
1995MY Impreza Select Monitor Update	12/94
Parts Questions.....	01/95
Legacy Service Manual Supplement	01/95
Oil Leaks.....	01/95
Obtaining Service Bulletins	03/95
Diagnosing Noises Over the Phone	03/95
Helpline Diagnostic Information	05/95
Physically Damaged Warranty Returned Parts	05/95
Kats Wax Removal Tips	06/95

01-General Information

Thinking, the Service Manual, and the use of Diagnostic Flow Charts.....	06/95
Vehicle Model Year.....	09/95
1996MY Subaru Legacy Select Monitor Cartridge	10/95
Select Monitor Information Update	11/95
Cooler Weather and Drivability.....	11/95
Technical Assistance and the CDS 800 Phone Line	12/95
Part Numbers for Electrical Condition Reports and Quality Monitoring Reports	12/95
Training Test Answers	01/96
Monroney Label Mismatches.....	01/96
Technical Helpline Updates/Service Bulletins.....	02/96
Impreza Key Code Location	02/96
1995MY & 1996MY Power Antenna Operation	02/96
Service Bulletin Volume 17/Unlisted Bulletins	04/96
Air Conditioning Reminder	05/96
Technical Service Helpline Efficiency.....	05/96
1996MY Subaru Legacy VIN Change.....	06/96
Location of Engine, Transmission and Production Date Information	06/96
Interactive Helpline Updates	07/96
1997MY Subaru Legacy-Retrieval of OBD-II Codes without '97 Select Monitor Cartridge.....	08/96
Additional 1996MY Subaru Legacy VIN Change Information	09/96
“But, Its New.....”	09/96
1997MY Legacy - Information for You.....	09/96
Returning Your Calls.....	10/96
Cooler Weather and Driveability.....	11/96
Towing Vehicles behind Motor Home.....	02/97
Frozen Wiper Blades	02/97
Technical Helpline Updates/Service Bulletins.....	03/97
State I/M 240 Emission Testing and Subaru AWD Vehicles.....	04/97
New Quality Monitoring Report (QMR) Form	05/97
1998 Subaru Forester Facts	07/97
New Subaru Select Monitor	07/97
1997MY Subaru Legacy Service Manual Supplement Volume 7	08/97
1998MY Subaru Forester	09/97
1998MY Subaru Key Codes	09/97
1998MY Forester Flat Towing.....	10/97
Customer Particulars.....	10/97
Subaru Forester PDI Connectors	11/97
Holiday Schedule For 1998	01/98
Marking Messages “Urgent” on the Helpline Answering Machine	01/98
Parts Collection Cancellation	01/98
Technical Helpline Update Changes	02/98
New Name.....Same Dedicated Service	02/98
Technical Support Line Changes	02/98
30th Anniversary/WRC Emblems.....	03/98
1998MY Forester Key Blanks	03/98
State Emission Testing	07/98
Subaru AWD Vehicles Are Exempt from Two Wheel Dynamometer Emission Testing	07/98
Subaru Technical Support Line and Independent Repair Shops	07/98
1999MY... What’s New.....	08/98
We Need to Know	08/98
The Support Line and Parts Questions.....	08/98
Cooler Weather and Drivability.....	10/98

01-General Information

We Get Letters	01/99
Magnetic Tip Screwdriver Caution	01/99
Interior Trim Tool.....	01/99
Other Protection Ideas	01/99
Dash Noise	01/99
Technical Service Support Efficiency.....	02/99
Location of Data Information for Engine, Trans., and Production Date.....	03/99
Quality Monitoring Reports (QMRs) and You	03/99
We Get Letters – Continued.....	04/99
Parts Replacement.....	04/99
Reference Materials	05/99
Back to Basics – One More Time.....	05/99
Support Line Case Numbers.....	07/99
2000MY Key Blanks	07/99
Y2K Subaru Legacy.....	08/99
Support Line Answering Machine	10/99
New Area Code	11/99
Vehicle Servicing	4/00
Subaru Warranty Coverage Changes for 2001MY	05/00
2001MY Forester Owner’s Manual Correction	07/00
Suggested Measuring Device	07/00
Service Bulletin 12-68-00.....	08/00
Quality Monitoring Reports	08/00
Required Fluid Use for Warranty Repairs.....	08/00
Cooler Weather and Drivability.....	10/00
Impreza 2.5RS Modifications	11/00
Quality Advice Forms for 2001 H6 Outback.....	11/00
Expanded Support Line Hours	01/01
Parts Collection Center – Additional Location	01/01
AYES Program Participation.....	02/01
Towing Vehicles behind Motor Homes.....	02/01
Service Publications New 1-800 Number	02/01
Bulk Fluid Usage	02/01
Ordering Technician Patches	03/01
Answering Machine Reminder	03/01
Key Codes – A Reminder	05/01
2002MY Impreza Sedan Valet Key Function	09/01
Service Manual Applicability	11/01
Special Edition: 2003 Forester Accessory Installation	07/02
Contacting the Technical Support Line.....	09-10/02
Information Requests	09-10/02
2003 Baja Owners Manual Supplement.....	03/03
www.Subarunet.com Reminder	03/03
Faded or Ghosted Fluor Original 80 Series Display.....	04/03
Modifications to Vehicles	07/03
Electronic QMR	07/03
SOA Publication MSA5B0403A.....	08/03
Clamp-on Racks and Wind Noise.....	01/04
Calling the Technical Support Line.....	03/04
Service Manual Correction Labels.....	05/04
2005MY Legacy/Outback: Updated PDI Check Items and Notes	07/04
Product Improvements.....	08/04

01-General Information

Subarunet and Service Technicians.....	10/04
Updated Reprogramming Information	11/04
Cold Weather and Drivability.....	11/04
Enhanced EQMR.....	11/04
Premium Ownership Delivery.....	12/04
Technical Service Bulletins: A Recent List	03/05
Technical Service Bulletins: A Recent List	04/05
Tips from the Techs.....	04/05
Technical Service Bulletins/Programs.....	05/05
Technical Service Bulletins, TechTIPS, and Other Publications.....	06/05
2006MY Mechanism and Function Service Manual	06/05
Recently Published Service Bulletins.....	06/05
Latest Service Bulletins Released.....	07/05
STi – Towing Behind Motor Homes.....	07/05
Latest Service Bulletins Released.....	08/05
Subaru Warranty Wizard Update	09/05
TechLine Pre-Call Worksheets.....	09/05
Latest Service Bulletins Released.....	09/05
Latest Service Bulletins Released.....	10/05
In Case You Forgot.....	10/05
Contacting the Technical Support Line.....	11/05
Come On Guys.....	11/05
Latest Service Bulletins Released.....	11/05
2006MY Impreza Indicator Lights	11/05
Technical HelpLine Efficiency.....	11/05
Latest Service Bulletins Released.....	12/05
Calling the TechLine....”Can You Hear Me Now?”	12/05
Latest Service Bulletins Released.....	01/06
Latest Service Bulletins Released.....	03/06
FYI – Replacement of the Neutral Switch on a 6MT Vehicle.....	03/06
Service Information Availability on STIS.....	06/06
Techline Closing	06/06
Techline Pre-Call Worksheets	06/06
Immobilizer Codes & the Techline	06/06
Vehicle Repair Escalation Process.....	06/06
Calling the Techline.... Can You Hear Me Now???	07/06
2007 Subaru B9 Tribeca Introduction TRB	08/06
Quickie “FYI” TIPS	08/06
Latest SOA Service Documents Released.....	08/06
Latest SOA Service Documents Released.....	09/06
Subaru Chemical Information.....	10/06
Cold Weather- Here We Go Again!.....	10/06
Latest SOA Service Documents Released.....	10/06
Rear Differential Oil	11/06
Quick Tip: “No Start” Complaint	11/06
Power Steering Fluid Usage.....	11/06
New Tech TIPS Editor: Don Bangs.....	12/06
Quick TIP: Nox Rust	12/06
Clarification of the “Valet Key” and “Master Key” Immobilizer Type.....	12/06
Automatic Transmission Fluid for All 5EAT and 4EAT Transmissions	12/06
New Techline Representative	01/07
A “Back To Basics” Reminder.....	01/07

01-General Information

Quick TIPS: Important Items to Note	02/07
From The “Clarifications Department”	03/07
Quick TIP – Forester Spare Tire Cover.....	03/07
Techline Survey Results	04/07
Gear Oil Specification Differences	06/07
2007 U.S. National Technician Competition.....	07/07
Latest Service Bulletins Released.....	07/07
SSM III, Reprogramming & You.....	08/07
New 2008 M/Y Service Manuals on STIS	11&12/07
U.S National and World Technician Troubleshooting Competitions	12/07
H-6 Engine Smoke from Exhaust on Start-Up.....	08/08
Sending SSM-III Files.....	08/08
Oil Filter Wrenches	12/08
Calling the Techline: A Reminder about Cell Phones	12/08
Cold Weather Reminders	12/08
Incentive Program for Technician TIPS Suggestions	01/09
2009 M/Y Forester & Impreza Protective Wheel Film	01/09
2010 M/Y Legacy / Outback Preliminary Information	05/09
Use of Synthetic / Semi-Synthetic Engine Oils	05/09
2008-09 M/Y Impreza, Dim Headlights and / or Erratic Outside Temperature Display	06/09
Help Us to Help You	07/09
2010 M/Y Legacy & Outback Reporting Requirements	07/09
Subarunet & Subaru “SMART” System Login Information	09/09
Cell Phones, Air Tools & the Techline.....	09/09
SSMIII Error Codes.....	11/09
EQMR Authorization Requests... A Reminder	01/10
First Annual Subaru / ASE Master Automotive Technician of the Year	02/10
Techline Case Follow-Up and Call-In Tips	04/10
EQMR’s and Photos	05/10
Subaru / ASE Master Automobile Technician of the Year – 2010.....	09/10
2nd Annual Subaru / ASE Master Automobile Technician of the Year Awards Announced	10/10
New 2011 MY Forester Quality Reporting Information.....	11/10
2011 Factory-Fill Synthetic Oil and Maintenance Information.....	11/10
Does Your Service Department Have A “What’s New” Bulletin Board?	02/11
Troubleshooting Guides - A Reminder	04/11
“D-Check” Connector Locations	05/11
Revised Service Bulletins.....	06/11
Calling the Techline – Questions You Should Be Ready For	07/11
Use of Silicone Spray Precautions	07/11
2012 Impreza PDI Fuse Procedure.....	09/11
Is This Clip Important?	10/11
Change to Oil Fill Cap of FB Engine.....	11/11
2012 M/Y Oil Change Interval Information	11/11
Turning Off Blinking “Check Engine” light on 2012 MY Vehicles	12/11
Valve Clearance Checking Procedures, A Reminder	01/12
Yes, Another Sales Record Year for Subaru	02/12
Techline Case Follow-Up.....	02/12
Special Automatic Transmission Fluid for the New BRZ.....	05/12
Calibration Identification Numbers.....	05/12
Techline Staffing changes	06/12
2013 BRZ PDI Procedure Information	06/12
2013 Legacy, Outback and BRZ Launch-Your Help Is Needed	07/12

01-General Information

Techline Staffing Changes	09/12
Subaru ASE Master Tech Of The Year 2012.....	11/12
Addition To PDI Procedure For Impreza And Crosstrek.....	12/12
Additional Tie Down Plug for 12-13 Impreza Models	01/13
Thanks to You.....	02/13
QMR Of The Month	02/13
QMR Of The Month Winner.....	03/13
New Model Launch Activities.....	03/13
Information You Should Always Have When Calling Tech Line.....	04/13
QMR Of The Month Winner.....	04/13
QMR Of The Month Winner.....	05/13
Recommended Materials Update	05/13
QMR Of The Month Winner.....	06/13
Authorization Requests	06/13
2013 National Technician Competition.....	08/13
QMR of the Month.....	08/13
Quality Monitoring Reports	08/13
QMR of the Month.....	09/13
Subaru-ASE Master Auto Technician of the year.....	09/13
Towing Subaru Vehicles-Revisited	09/13
QMR of the Month.....	10/13
New Tech line Fax Number and Pre-Call Worksheets	10/13
Friday November 29th 2013-Tech line open.....	10/13
Clarification on Towing	10/13
QMR of the Month.....	11/13
Don't Forget to check the basics when diagnosing Drivability Complaints.....	11/13
Troubleshooting Guides on STIS-Reminder.....	11/13
BUI replacement and Key's.....	11/13
QMR of the Month.....	12/13
Fourth Bi-Annual Subaru international tech competition awards	12/13
Subaru/ASE Master Tech of the Year.....	12/13
2014 XV-Crosstrek Hybrid Launch-Your Help Is needed	12/13
New Tech line hours of operation.....	12/13
QMR of the Month.....	01/14
14Crosstrek Hybrid Launch Reminder	01/14
QMR of the Month.....	02/14
Authorization Request (AR) for Paint and Glass over 500.....	02/14
2014 Hybrid Launch-Your Help is Needed	02/14
QMR of the Month.....	03/14
Tech line new hours of Operation.....	03/14
2015 WRX and WRX STI Launch-Your help is Needed	03/14
QMR of the Month.....	04/14
New Tech line Pre-Call Worksheets	04/14
Tech line Case Follow up-Revisited	04/14
Authorization Request Pictures.....	04/14
QMR of the Month.....	05/14
Tech line case follow up-Revisited.....	05/14
QMR of the Month.....	06/14
15MY Legacy and Outback Transit Fuse Information	06/14
QMR of the Month.....	07/14
2015 Legacy and Outback Launch Team Activity-Your Help is Needed.....	07/14
New Subaru Oil Change Reference Cards.....	07/14

01-General Information

2015 Legacy and Outback Fujitsu 10 Audio and Audio/Navigation Systems	07/14
QMR of the Month.....	08/14
Change to Spare Tire Retaining Bolt.....	08/14
QMR of the Month.....	09/14
Locating Flash write Reprogramming Files for 2015 WRX Models.....	09/14
Calling the Tech line for Assistance	09/14
QMR of the Month.....	10/14
5th Annual Subaru Technician Competition.....	10/14
QMR of the Month.....	11/14
Interior Rear View Mirror Separation.....	11/14
QMR of the Month.....	12/14
Subaru of America’s ASE Master Tech of the Year.....	12/14
QMR of the Month	01/15
Escalation Process What, Why, and How	01/15
QMR Reporting, Do’s and Don’ts.....	01/15
No Crank Condition on Push-Button Start-Equipped Model’s.....	01/15
Techline Case Follow Up.....	01/15
QMR of the Month.....	02/15
Reminder: Sending Saved Freeze Frame (FFD) and SSM Data Files.....	02/15
New Product Announcement (SOA868V9175) Silicone Gasket Remover.....	02/15
Exciting Update to the “QMR of the Month” Award Program.....	02/15
QMR of the Month.....	03/15
Techline Phone System “Courtesy Call Back Feature”	03/15
QMR of the Month.....	04/15
QMR of the Month Award Presentation	04/15
Calling the Tech line Revisited.....	04/15
QMR of the Month.....	05/15
New Required Detail Fields Established for Claims Submission	05/15
Explanation of New Required Fields in Quality Monitoring Report (QMR).....	05/15
QMR of the Month Award Presentation	05/15
QMR of the Month.....	06/15
Authorization Requests/Better Pictures Requested	06/15
Combination Meter and BIU shipments to SOA	06/15
QMR of the Month.....	07/15
QMR of the Month Award Presentation	07/15
Subaru Oil Consumption.....	07/15
QMR of the Month.....	08/15
Technician Submission of the Month	08/15
EyeSight Charts.....	08/15
2016 Forester Service Manual-The next Generation.....	08/15
QMR of the Month.....	09/15
QMR of the Month Award Presentation	09/15
CPO procedure for turbocharged Subaru vehicles.....	09/15
Understanding DTC’s and how to proceed properly with repairs.....	09/15
QMR of the Month.....	10/15
QMR of the Month Award Presentation	10/15
Remanufactured Transmission Replacements	10/15
2015 Technician ASCENT Program-Important Enhancements.....	10/15
QMR of the Month.....	11/15
QMR of the Month Award Presentation	11/15
QMR of the Month.....	12/15
QMR of the Month Award Presentation	12/15

01-General Information

Subaru World Technician Competition.....	12/15
Subaru Technical Training-Gaming Survey.....	12/15
QMR of the Month.....	01/16
QMR of the Month Award Presentation	01/16
Pre-cut Keys.....	01/16
2016 Technical Training Curriculum Planning Workshops	01/16
Fujitsu (F-10) Map Information.....	01/16
Towing Subaru Vehicles	01/16
The New and Improved QMR of the Month Program	01/16
QMR of the Month.....	02/16
QMR of the Month Award Presentation	02/16
QMR of the Month.....	03/16
QMR of the Month Award Presentation	03/16
QMR of the Month.....	04/16
QMR of the Month Award Presentation	04/16
Subaru-U Announcement	04/16
Saving and Printing Freeze Frame Data.....	04/16
Changes to Subaru-Net Links.....	04/16
QMR of the Month.....	05/16
QMR of the Month Award Presentation	05/16
American National Technician Competition	05/16
Subaru-U.....	05/16
Stickers on the Windshield.....	05/16
QMR of the Month.....	06/16
QMR of the Month Award Presentation	06/16
Subaru-U.....	06/16
New STIS User's.....	12/16
Subaru-U.....	01/17
QMR of the Month.....	01/17
QMR of the Month Award Presentation	01/17
Subaru-U.....	02/17
QMR of the Month.....	02/17
QMR of the Month Award Presentation	02/17
Update to STIS.....	02/17
QMR of the Month.....	03/17
Subaru-U.....	03/17
QMR of the Month.....	04/17
QMR of the Month Award Presentation	04/17
Subaru-U.....	04/17
Locating Tech Tips	04/17
CPO Procedure for Turbocharged Subaru Vehicles	04/17
Technicians: What Is Your Role in Product Quality?	04/17
Lost keys? Contact the Subaru Techline.....	05/17
Application chart for Immobilizer	06/17
DCM and ECM swapping.....	08/17
Authorization Requests	08/17
CPO Procedure	08/17
Calling the Techline Revisited.....	08/17
Lost Keys? + Immobilizer Chart	09/17
Understanding DTC's and How to Proceed Properly with Repairs	09/17
Requesting Techline callback's	09/17
The Subaru Parts Collection Center	09/17

01-General Information

The Key to the Highway.....	11/17
Following the Service Manual for Repairs.....	11/17
WQK-47 Equipment Cleaning Procedure.....	11/17
Authorization Requests (AR) for Paint and Glass Over \$500	12/17
CPO Procedure for Turbocharged Subaru Vehicles	12/17
Calling TechLine Revisited	12/17
QMR of the Month Program Enhancement.....	01/18
Reviewing Data Files	01/18
Calling the TechLine Revisited	02/18
Locating TechTIPS.....	02/18
Understanding Power Supply	02/18
Body Plug Relocation.....	02/18
Calling Subaru TechLine.....	04/18
Icy Road Warning Indicator Operation	04/18
Clearing Trouble Codes.....	05/18
Subaru Diagnostics	05/18
2019MY Ascent Owner’s Manual Utilization	SE 05/18
Understanding Readiness Codes	06/18
Why Was That Part Replaced?	06/18
System Owner Manuals	07/18
Understanding DTCs and How to Proceed Properly with Repairs	07/18
Stickers on the Windshield.....	09/18
Authorization Requests (AR) for Paint and Glass over \$500.....	09/18
QMR of the Month.....	10/18
2019MY Forester Quality Monitoring Team New Model Launch.....	10/18
2019MY Forester: Auto Start-Stop and Driver Monitor System Diagnostic Information.....	10/18
The Importance of Searching for TSBs and TechTips	12/18
QMR of the Month.....	01/19
Subaru Technicians Honored at ASE Annual Meeting.....	01/19
TechLine Case Follow Up.....	01/19
The Radio Keeps Playing and a “Turn Engine Off Before Exiting” Message Appears – Why?.....	01/19
QMR of the Month.....	02/19
2019 National Training Competition	02/19
QMR of the Month – Trip Winner Announcement	SE 02/19
QMR of the Month.....	03/19
7th Annual National Technician Competition Conclusion	SE 03/19
QMR of the Month – Trip Winner Announcement	SE 03/19
QMR of the Month.....	04/19
Understanding Customer’s Concern.....	04/19
QMR of the Month.....	05/19
Use of Silicone Spray Precautions.....	05/19
Brake Lamp Switch Replacement Web Based Training.....	05/19
QMR of the Month.....	06/19
Understanding DTCs and How to Proceed Properly with Repairs	06/19
CPO Procedure for Turbocharged Subaru Vehicles	06/19
QMR of the Month	07/19
G Type, H Type, and I Type Immobilizer Registration.....	07/19
Important Battery Sensor Procedures – 2019MY Crosstrek Plug-In Hybrid (PHEV) Model.....	07/19
Melting Plastic Parts.....	07/19
QMR of the Month.....	08/19
Helpline Diagnostic Information	08/19

01-General Information

QMR of the Month.....	09/19
Subaru Select Monitor (SM4) Unresponsive When Connecting to Some 2020MY Vehicles	09/19
QMR of the Month.....	10/19
QMR of the Month.....	11/19
Authorization Request Pictures.....	11/19
QMR of the Month.....	12/19
Calling the Techline Revisited.....	12/19
Hints for Searching Separate Publications with Online Reference	01/20
Application Chart for Immobilizer System.....	01/20
Subaru National Technician Competition Selection Announcement	03/20
Disinfecting Vehicles	04/20
CPO Procedure for Turbocharged Subaru Vehicles	04/20
Authorization Requests (AR) for Paint and Glass over \$500.00.....	04/20
Lost Keys? Contact the Subaru Techline	05/20
Techline Case Follow Up	06/20
New Claims System Coming June 8th – Things to Know for Authorization Requests	06/20
Cell Phones, Air Tools and the Techline	08/20
Calling The Techline Revisited.....	09/20
Sending email to Techline	09/20
Subaru Express Service – Low-Touch Best Practices for Technicians.....	10/20
Oil Capacity	10/20
CPO Procedure for Turbocharged Subaru Vehicles	10/20
Techline Staffing Changes	01/21
Special Edition: Escalation Process What, Why, and How	01/21
Combination Meter and BIU shipments to SOA	02/21
Lost Keys? Contact the Subaru Techline	03/21
Dash Camera Etiquette – Behave like you’re being watched	04/21
Understand DTCs and How to Proceed Properly with Repairs	05/21
Do Not Print Technical Service Bulletins Reminder	06/21
CPO Procedure for Turbocharged Subaru Vehicles	10/21
Sending Immobilizer Components, Broken on Arrival	11/21
Tech TechShare QMR and You	02/22
Lost Keys? Contact the Subaru Techline. Updated Immobilizer Chart.....	03/22
Calling the Techline Revisited.....	04/22
When Diagnostics Don’t Diagnose, Checking ALL Power Supplies.....	04/22
22MY Pre-Delivery Inspection (PDI) Fuse Location Reminder.....	04/22
Replacing components on the CAN network & Central Gateway Control LAN Registration.....	05/22
Solterra DTC’s Resulting from Service/Maintenance Activities: P0A1B1F, P0A1C1F, U113B87	08/22
22MY WRX One Touch Turn Signal Operation.....	08/22
Hints for searching Accesory Installation Directions with Online Reference	09/22
Canadian to US Spec & Vice Versa.....	10/22
CPO Procedure for Turbocharge Subaru Vehicles.....	10/22
QMR if the Month Program	11/22
Virtual Meeting Rooms.....	04/23
Updating Technician Profiles for Techline Communications	04/23

02-Engine

1.8 Engine Head Gasket Torque Change/Oil Leakage	05/91
Legacy Throttle Sensor Switch Adjustment	08/91
Noisy Lash Adjusters	09/91
Legacy Exhaust Valves.....	09/91
Legacy Cylinder Head Resurfacing (Grinding) Specifications Clarification	10/91
Justy Cylinder Head Installation and Retorquing Clarification.....	11/91
Legacy Turbo Models - Oil In the Coolant	08/92
Oil Leaks.....	09/92
Correction to Legacy Turbo Oil Leaks in the September Update	10/92
Justy Balancer Chain Replacement	11/92
1991MY-‘1992MY Legacy Turbo and All ‘92MY N.A. M/T “High Idle Complaint”	12/92
1992MY Legacy Turbo Stalls After Start-Up Hot or Cold	12/92
1992MY SVX Trouble Code 56, EGR System.....	12/92
Loyale “Engine Ping” Complaint SPI.....	01/93
1992MY SVX Auxiliary Air Valve Disconnection	04/93
All Justy Models Drivability Complaints	08/93
Justy with Multiple Failure Codes Including Code 41 in ECU Memory.....	09/93
L-Series/Loyale 1.8 Liter OHC Valve Servicing	09/93
Correction to All Justy Models Drivability Complaints, August Update.....	10/93
1993MY Legacy Models, Electronic Control Unit “Rom” Installation	10/93
Replacement Engine Oil Filters	12/93
Loyale and Legacy HLA Noise	04/94
1995MY Legacy Spark Plugs	10/94
Synthetic Lubricant Usage	10/94
Idle Quality Complaints On ‘95MY Legacy	02/95
Synthetic Engine Oil	02/95
Engine Testing-Back to Basics.....	04/95
Synthetic Lubricant Usage - Updated Information	07/95
Oil Viscosity Change for 1996MY Subaru Vehicles.....	10/95
2.5 Liter Motor Engine Knocking or Tapping Noise.....	01/96
1997MY Engine Noise	09/96
Legacy 2.2L and Impreza 1.8L, 2.2L Engine Oil Filling.....	09/96
Welcome To Shim City	10/96
New Cambelt Tensioner	04/97
Assembling 1997MY and Newer Engines	08/97
Molybdenum Coating On Pistons	10/97
Engine Noise	11/97
2.5L Engine Cylinder Head Bolt Tightening Sequence	11/97
Legacy Engine Belt Guides	05/98
1996MY 2.5L Exhaust Valves	09/98
2.2L Front Crankshaft Oil Seals.....	10/98
1999MY Legacy Short Blocks.....	11/98
Leaking Front Crankshaft Oil Seals.....	01/99
SIA Installed Engine Oil	03/99
2000MY Spark Plug Application Chart (revised 01-31-00).....	04/00
Engine Noise when Cold	08/00
Oil Pumps – Replacement vs. Resealing	01/01
3.0L 6 Cylinder Valve Train Servicing	02/01
Subject: Engine Noise when Cold.....	02/01
Three Bond 1280B	05/01

02-Engine

2002MY WRX Turbo Cool Down Procedure	06/01
Oil filters: H-4 versus H-6 Engines	03-04/02
2.0L Camshaft Cap Torque Correction	08/02
DOHC Turbo Valve Specification	09-10/02
Subject: Engine Noise when Cold	01-02/03
Radiator Hose Leakage	01-02/03
SOA Replacement Ignition Wire Set	01-02/03
Coolant Seepage from Water Pump	05/03
2004 Baja and Forester Turbo Engine Oil Filters	05/03
Cam Belt Tensioner Replacement.....	07/03
Vehicle Re-engineering/modifying	07/03
All Turbo Model Oil Filters	07/03
Head Gasket Repairs	11/03
Oil Filter Application Clarification	11/03
Engine Noise – All H6 Vehicles.....	01/04
H6 Cylinder Head Bolt Torqueing Procedures	02/04
Cylinder Bore Size Location Information.....	03/04
Cruise Control Cable Retainer Clip: WWQ-01	04/04
Pressure Washing of Vehicle Engine Compartment – All Models	08/04
Intercooler Spray Tank	03/05
Oil Classification Change for 2006MY Vehicles	07/05
Shortblocks Replaced Under Warranty	08/05
P/N 11063AB120: LH Cylinder Head Assembly	09/05
Engine Testing – Back to the Basics	10/05
Safe Handling of Sodium Filled Valves.....	10/05
Coolant Seepage from Water Pumps	10/05
Remanufactured SOHC Shortblocks and Bulletin 02-96-05	11/05
Bank1, Bank 2	01/06
Valve Stem Oil Seals	02/06
Rubbing Mark on Timing Belt.....	02/06
Platinum Spark Plug Change Intervals.....	04/06
Turbo Failures.....	05/06
H6 Oil Level Explained	06/06
Basics, Basics, Basics	06/06
Turbocharger Oil Supply Filter.....	03/07
Engine Oil Specification Information	05/07
3.6L H-6 Oil Filter Wrench Information.....	07/07
Cranks Over But Won't Start?.....	10/07
2008 M/Y 3.6L Engine Oil Dipstick	11/07
Tribeca Oil Cooler Line Clamps.....	11/07
Revised Turbocharger Oil Supply Piping.....	01/08
Subaru Valve Adjustment Information.....	02/08
More Valve Adjustment Information	04/08
Engine Oil Pan Drain Plug Gaskets: NOT All the Same!.....	05/08
Don't Forget To Check Those Banjo Bolt Filters	07/08
WWM-96 Rear Suspension Sub-Frame Corrosion Campaign	11/08
Bank-Specific Misfires & Active Valve Control System (Variable Valve Timing- VVT).....	01/09
Oil Filter Replacement Precautions.....	02/09
Important Short / Long-Block Replacement Reminder	03/09
P0171, Rough Running Condition after Cold Start.....	04/09
Turbocharged Engines: Oil Supply Reminder	08/09
2010 M/Y Legacy & Outback 3.6L Engine Cover Removal	10/09

02-Engine

Engine Oil Leaks – A Reminder	05/10
Valve Adjustment and Clearance Measurement the Right Way.....	06/10
4-Cylinder Crankshaft Oil Seal Replacement Procedures.....	07/10
Don't Forget to Check the EGR Valve	12/10
DTC P0128 Information	12/10
2011 M/Y Forester N/A Revised Oil Filler Cap.....	02/11
Leaking Engine Oil Seals? Don't Forget to Check the PCV!	02/11
Fluid Leak Detection Made Easier.....	04/11
Revised Cylinder Head Gasket Diagnostic Procedure.....	05/11
2010 M/Y and Newer Oil Pan Damage.....	06/11
2011 M/Y Forester (FB Engine) Cam Position Sensor Information.....	06/11
2010 M/Y and Later Impreza WRX and STI Turbo Charger and Stay Bracket	06/11
FB25/20 Engine Crankshaft Sensor Reluctor Indexing	10/11
Excessive Noise from the Engine Under Boost	02/12
2010 and Later Legacy and Outback 3.6 Engine Cover Removal.....	05/12
2007 to 2009 Cylinder Head Identification.....	06/12
BZR Fuel Injection Operational Characteristics	06/12
Turbo Charges And Piping	08/12
Front Chain Cover Oil Leaks	12/12
Too Much Oil in the Engine	03/13
Understanding The Relationship Between Cam Crank Position Sensors	04/13
2013 Legacy/Outback Spec Change to Engine Under Cover	04/13
2012 WRX and STI Motor Mounts.....	05/13
Remanufactured Short Blocks.....	05/13
2.0 and 2.5 FA/FB Chain Driven Engine Timing Information	09/13
Engine oil expansion, Fact or Fiction	12/13
FA and FB Engine Connecting Rod Bolt Removal Tip	02/14
FA and FB Engine Timing ChainTensioner Initial Setting Information	03/14
Piston Ring Installation TIPS	03/14
Discoloration of Cylinder Walls	04/14
Too Much Oil In The Engine Revisited	06/14
Hard Starting, Extended Engine Cranking Concerns Revisited.....	12/14
FA and FB Engine Crank Sprocket Timing Mark Important Reminder	04/15
2015-16 MY WRX Engine Cover Removal Precaution.....	09/15
Cam Sprocket Replacement for P000A-P000D A Reminder.....	10/15
Addressing Accessory Drive Belt Noise	02/16
Timing Chain Cover Installation.....	04/16
Smoke from Exhaust on DIT Turbo vehicles	12/17
Allowable Repairs to CVT Assemblies	03/18
Engine Oil Pressure Specification Discrepancies	07/18
Fluid Leak Detection Made Easier.....	11/18
H6 Cylinder Head Replacement Precaution	06/19
P0507 After Engine Service, Abnormal Idle Speed.....	03/20
Rough Idle with AVCS DTCs	03/20
Improved Diagnosis of Engine Oil Leakage, Leak Trace Powder Revisited	03/21
2019 and up 2.4L Turbo, P0299	07/21
New and Remanufactured Short Block Replacement Tips & Break-In Procedure.....	08/21
P0171, Rough Running Conditon After Cold Start.....	02/22
Diagnosing P0128 on Thermo Control Valve Equipped Vehicles	06/22
Leak-Down Testing.....	10/22

03-Drive Train-Transaxle

03-Drive Train-Transaxle

Shifter-Rattle "L" Series 4WD M/T and XT FWD or 4WD M/T	07/91
Legacy Rear Diff.....	08/91
Manual Transmission Gear Oil	01/92
L-Series and XT Models With Stepped Flywheels	04/92
All Subaru Models Rear Differential Assembly Replacement	05/92
Legacy/SVX Limited-Slip Rear Differential.....	06/92
1992MY Loyale Shifter Rattle On 4WD 5-Speed Models	08/92
All Four-Wheel Drive Vehicles.....	11/92
All Subaru Models Wheel Bearing Replacement	06/93
Legacy Axle Repairs	07/93
Justy Drive Axle Installation	09/93
Diagnosing 3SP Automatic Transmissions Starting In Second Gear.....	11/93
Justy ECVT Transmissions That Won't Up-Ratio After Rebuild.....	11/93
Rear Differential Replacement	12/93
3 Speed Automatic Clutch Drum Wear	01/94
Manual Shift Lock Release on '94MY SVX	02/94
3-Speed Automatic Differential Rebuilding.....	05/94
Replacing AWD Rear Wheel Bearings on Legacy, Impreza, and SVX	04/95
Inspection of Clutch Free Play During PDI.....	07/95
Automatic Impreza Rear Differentials.....	05/96
Outback Gear Ratios.....	05/96
Where's The Hill Holder?	10/96
Inspection of Clutch Free Play During PDI	11/96
Noise from Rear Axle Oil Seal-Legacy Models.....	01/97
'97MY Legacy Rear Differential Crossmember Bracket Noise & Vibration.....	01/97
Rear Differential Modifications	04/97
All Subaru Models with Stepped & Flat Flywheels.....	07/97
Additional Parts Information on Differential Modifications.....	07/97
Identifying 1997 Subaru Legacy Propeller Shafts	07/97
1997MY Legacy Rear Differential Crossmember Bracket Noise & Vibration.....	10/97
Grease Leaking From Inner Axle Joints	02/98
Rear Differential Vent Oil Leakage.....	04/98
Legacy Engine Belt Guides	05/98
1998MY Vehicles Leaking Axle Grease.....	09/98
M/T Case Boss Wear	09/98
5MT Popping Out Of First Gear	10/98
Shifter Rattle.....	02/99
All 1999MY Manual Transmission Vehicle.....	03/99
Transmission/Rear Differential Gear Ratios	06/99
Popping Out Of Fifth Gear	01/00
1999/2000MY Manual Transmissions Popping Out Of 1st Gear	04/00
2001MY Outback H6-3.0 VDC Precautions	11/00
Variable Torque Distribution	05/01
All Subaru Rear Differentials	10/01
Use of Correct Fluids	08/02
Parts Supersession 2002MY Outback & Impreza 1st Driven Gear	09-10/02
Transmission Popping Out of 3rd Gear.....	05/03
On The Car Rear Wheel Bearing Replacement Procedure.....	09/03
Impreza WRX Driveability.....	04/04
2005MY Manual Transmission Speedometer Gears.....	06/05

03-Drive Train-Transaxle

STi Rear Differential Oil	07/05
Impreza STI Characteristics	01/06
Clutch Pedal Squeak	05/06
Manual Transmission Center Differential Damage	10/06
STI / DCCD “Klunking Noise”	02/08
6 M/T “Quick TIPS”	03/08
DTC P1720, DCCD Code in Memory, 2008 STI	09/08
Squeaking Noise When Operating the Clutch Pedal	02/09
2010 M/Y Legacy & Outback Sound at Initial Start-Up	08/09
Tribeca Rear Differential Temp Light Flickering.....	04/10
Updated M/T Transmission Drain Plug Gasket Information.....	06/10
2010-11 M/Y Legacy / Outback “Howling” from Under the Vehicle.....	01/11
2010 M/Y & Later Legacy / Outback 6 M/T Reverse Gear Damage.....	01/12
BRZ Manual Transmission Sounds	06/12
Color Change To Manual Trans Oil Level Dipstick	10/12
All Manual Transmission Equipped Vehicles.....	11/12
2015 WRX Short Throw Shifter Precautions	05/14
Transmission Cooler Flushing	08/15
BRZ 6M/T Rattling Sound on Deceleration w/AC On	09/15
Reminder-Cleaning and Lubrication of Clutch Release Components	11/15
P2751 and no CVT Engagement	05/16
AT Learning Control Information	06/16
Transmission Replacement Procedures.....	06/16
No Movement after Valve Body Replacement on 10-12 Legacy/Outback CVT	08/16
Clutch Release Component Lubrication	10/16
Clutch Release Component Lubrication and Inspection Revisited.....	11/16
Unnecessary CVT Replacement’s	12/16
HARMAN AUDIO UNITS: Audio Volume Turned To Max When Monitoring Infotainment Data Monitor	03/17
AT Learning Control Information	11/17
Smoke from Exhaust on DIT Vehicles	12/17
P2751 and no CVT Engagement	09/18
Selectable Shift Fork Identification Marks	01/19
Squeak/Chirp Sound from High-Torque CVT When Shifting from P/N to D	04/20
AT Learning Control Information	07/20
Wiring Clarification for Guide Plate B Installation (TSB 16-112-18R)	07/20
P2751, Vehicle does not Move When in Gear	09/20
Front Differential Failure After Transmission R&R	11/20
Binding/Sound While Turning	11/20
Vibration After Transmission or Engine Removal	04/21
Ascent or Legacy/Outback 2.4L Binding When Turning Basic Diagnosis Overview.....	04/21
Squeak/Chirp Sound from High-Torque CVT When Shifting from P/N to D.....	01/22
Hub Bearing and Backing Plate Replacement.....	01/22
Transmission Oil Residue, New Vehicles.....	06/22
Crankshaft Position Sensor Plate Installation & Damage.....	09/22
AT Learning Control Revisited (Relearn).....	12/22

04-Steering

Loyale Power Steering Pump Failures.....	05/91
XT-6 Mps Controller Set.....	01/92
XT-6 Electronic Controlled Motor Drive Power Steering Service Manual Supplement	04/92
XT-6 Motor Power Steering “Motor Pump”	05/92
All Models Power Steering Pumps.....	06/92
Testing Power Steering Pumps	06/93
SVX Power Steering Pump Replacement	02/94
Steering Rack Noise.....	01/97
Power Steering Pump Replacement	03/97
2004MY Impreza and Forester Steering Column Cover	10/03
Parts Ordering Update for VSC Steering Angle Sensor.....	10/03
Power Steering Rack Repairs	11/05
2006MY STI Steering Angle Sensor.....	02/06
Power Steering Pump Noise	04/07
2005 & Later SIA-Built Steering Rack Rebuilding Tool Info	10/08
Power Steering Rack Serviceability	06/11
Electronic Power Steering	10/14

05-Suspension-Wheels & Tires

05-Suspension-Wheels & Tires

Legacy Rear Stabilizer Link Bushing Seat Change	07/91
Loyale Rear Alignment	10/91
All Models Alignment (Front & Rear) Tips	02/92
Legacy 4WD Noise Coming From Right or Left Rear Area	10/92
Legacy Front End "Pop" Noise	10/92
All Four-Wheel Drive Vehicles	11/92
All Models Wheel Lug Torque	11/92
1993MY Impreza Rear Suspension "Passive Four Wheel Steering"	05/93
All Subaru Models with Air Suspension, Including Legacy ("O" Rings)	06/93
Production Line Installation of Oil Filter and Power Steering Reservoir Filling	06/93
All Subaru Models Front End Alignment	08/93
1992MY SVX Rear Suspension	08/93
Impreza Wheels - 13" vs. 14"	01/94
Impreza Rear Strut Noise Production Change	02/94
1991MY Legacy Complaint of Banging Over Bumps, Especially Prevalent In the Right Rear	03/94
Impreza Rear Strut Noise Production Change	04/94
Impreza Tire Rotation/Maintenance	06/94
Procedures for Yokohama Tire Complaints	02/95
Noisy Impreza Rear Struts	09/95
Front Suspension Noise, 1995/96MY Subaru Legacy	04/96
Impreza Outback Tires	09/96
1996MY & 1997MY 2.2L Manual Transmission Equipped Vehicle	09/96
Additional Tire Information For '97MY Impreza Outback	11/96
Axle Shaft Grease	08/99
Recommended Winter Tires for 2000MY Outback	01/00
2000MY Outback Winter (Snow) Tire Information (supplemental)	03/00
Tire Questions and Information Handling Procedures	09/01
WRX and STI Recommended Winter/Snow Tires	11/03
Stick-On Wheel Weights	09/04
2003MY Keyless Entry Control Module Interchangeability	09/04
Tire Pressure Monitoring System	10/04
2005MY Legacy/Outback – Use of Tire Chains	12/04
Tire Pressure Monitoring System (TPMS) Equipped Vehicles	12/04
STi Clunk Noise in Rear	02/05
Rear Stabilizer Link Positioning	10/05
Tire Pressure Monitoring System – A Reminder	11/05
B9 Tribeca Spare Tire Availability	02/06
Tire Pressure Monitoring System (TPMS) – Additional Information	03/06
Tire Valve Stem Caps	03/06
2005~06MY Legacy/Outback Lower Control Arm Bushings	05/06
TPMS Valve Core Tool	06/06
B9 Tribeca Torque Support Plate Revised Torque Specification	08/06
Oil Seepage / Leaking From Struts	01/07
Customer Concern about Tire Conicity & Vehicle Drift	02/07
2008 MY Tire Pressure Monitor (TPMS) Changes	05/07
Emergency Wheel Lock Removal	06/07
Wheel Lug Torque Specs	11/07
Use of Nitrogen in the Tires of Subaru Vehicles	12/08
2010-11 Legacy / Outback Steering Vibration Updates: Helpful Hints	09/10
Tire Pressure Monitor System Reminders	10/10

05-Suspension-Wheels & Tires

2011 M/Y Tire Pressure Monitor System “Quick TIP”	11/10
Rear Stabilizer Bar Identification	03/11
Front / Rear Suspension Strut Piston Seal Damage	11/11
Front-End Rattling Noises Over Bumps	11/11
Tribeca Spare Tire Color Change	10/12
2005 And Up Front Lower Control Arm Bushings.....	05/13
Tire Pressures-Check that Spare	11/13
Wheel Lug Socket Recommendation.....	03/14
Abnormal Noise Diagnosis	07/16
New Model Alignment Specifications	11/18
Abnormal Noise Diagnosis	12/18
2019 Ascent Noise from Rear Over Rough Roads.....	10/19
New Model Alignment Specifications	02/20
C2921 and Intermittent TPMS DTC Diagnosis	04/20
Abnormal Noise Diagnosis	01/21
Front Lower Control Arm Bushing Repair Procedure	03/21
AWD light flashing, STI & WRX.....	05/21
Noises from Strut Area.....	07/21
TPMS Sensor Installation	12/21
Flat Spots and Road Force Tire Balance	02/22
Ascent Noise from Rear Over Bumps or When Turning.....	07/22
Wilderness (Outback/Forester) & Outback Onyx XT Model 5 Wheel Tire Rotation.....	02/23

06-Brakes

Legacy ABS Control Unit Code 10	01/92
ABS Light Illumination Code 16 (G-Sensor)	02/92
Legacy Brake Vibration Complaints	06/92
Legacy Front Disc Brake Pad Wear	11/92
Legacy Right-Hand Drive Vehicles	12/92
Legacy ABS-2E System	02/93
Anti-Lock Brakes For Legacy	03/93
Legacy Brake Pads	10/93
1994MY Impreza Hill Holder "Ghost Cars"	01/94
Legacy Brake Rotors	02/94
Impreza Throttle Position Switch Adjustment	06/94
Non-Approved Adjustments on Legacy, Impreza, & SVX Throttle Plates and ISC Valves	06/94
Rusty Brake Rotors	07/94
Brake Rotor Machining With Pro-Cut Equipment	08/94
TCS Operation with 'T-Type' Spare	10/94
ABS Code 16 - Faulty ABS Control Unit or 'G' Sensor (AWD, M/T Model)	10/94
Reading ABS Codes on Early Subaru Legacy Models	07/95
Subaru Legacy - ABS Light on	08/95
Brake Fluid Basics	09/95
ABS And Select Monitor Usage	09/95
ABS/TCS Equipped Legacy Vehicles	10/95
1995MY/1996MY Subaru Legacy with ABS	11/95
1996MY Subaru Legacy Equipped With ABS/5.3 System	11/95
ABS-2E Control Units & ABS Code 23	12/95
Vehicle Not Complying With Federal & State Regulations	12/95
Intermittent Wheel Sensor Codes in Early Legacy ABS Systems (Non ABS-2E)	12/95
Brake Noise...What Is Normal?	02/96
5.3 ABS System Service Manual	06/96
Component Relocation with 5.3 ABS System	06/96
ABS Equipped Subaru Vehicles System Check	08/96
New 5.3I Type ABS System	02/97
5.3I ABS System Information Update	03/97
ABS 5.3I Service Manual	04/97
Identifying ABS Systems	05/97
ABS 5.3I ABS Warning Light Operation	10/97
ABS/TCS Code 57	01/98
Use of Non-Approved Brake Additives	05/98
1999MY Forester ABS	02/99
Brake Judder & Noise; All Models	03/99
2002MY Impreza Brake Rotor Scoring.....	06/01
Bulletin Numbers 03-31-03 & PT 370303.....	01/04
Bleeding Brembo Brake System on WRX STI Models.....	03/04
STI Brake Shim Kit	09/04
Brake Pad Wear Indicator	03/05
B9 Tribeca Brake Servicing	05/05
Preventive Measure for Surface Rust around Disk Brake Pad.....	05/06
Brake Rotor Concentric Scaring	01/07
VDC Control Module Servicing	09/07
ABS Code C0111- ABS Motor Relay Function	12/07
ABS / VDC Detail Codes and How to Use Them	03/08

06-Brakes

New TPMS Transmitter Design Reminders.....	06/08
Brake Rotor Information	12/08
Tapping or Clicking Noise, 2008-09 Impreza.....	03/09
Brembo-Equipped Disc Brake Noise	03/09
More C0054 & C0074 Information.....	04/09
EPB Emergency Manual Release Procedure	11/09
2010 M/Y Legacy & Outback Master Cylinder Removal Precaution.....	02/10
“Click or Knock” Sound When Releasing the Brake Pedal.....	05/10
WVY-35 Master Cylinder Installation Precaution	01/12
ABS Brake System Applied Model Information	03/12
Vehicles Equipped with Eyesight.....	07/12
Important Precautions For Eyesight Equipped Vehicles	08/12
13 BRZ Revised Vehicle Stability Control Diagnostics.....	11/12
12/13 Impreza Parking Brake Information	11/12
EyeSight System Temporary Stop Information	02/13
Click Or Knock Sound When Releasing The Brake Pedal (Reminder)	02/13
Proper Reporting of Eyesight Related Issues	04/13
Precautions & Diagnostic Tips for Eyesight Equipped Vehicles.....	04/13
Brake Override System Operation and Hesitation Complaints.....	11/13
2015 Legacy and Outback Electronic Parking Brake Codes C1956 or C1957.....	08/14
What’s That Green Stuff under the Master Cylinder Reservoir Cap	05/15
Brake Fluid Color Change	07/15
Hill Holder or Parking Brake (EPB) Won’t Release	11/15
Eyesight Replacement Parts	08/16
2017 Reverse Automatic Braking (RAB), Red Area Appears In Back-Up Camera Display	01/17
Hill Start Assist Light On but No Codes.....	03/17
2017 Impreza Brake Caliper Oil Residue.....	11/17
Tap or Click – Type Sound Heard When Coming to a Stop – 2019MY Ascent	01/19
C0271 After Park Brake Actuator Replacement.....	02/19
Reverse Automatic Braking (RAB)- Important Information	10/19
2017 and Up Impreza Brake Caliper Assembly Oil Residue	12/19
2018+ STI Green Brake Caliper Discoloration.....	09/20
VDC Control Module Replacement Followed by SRH Warning Light Information.....	01/21
C1921 – Electronic Parking Brake Inoperative	02/21
One-Time Use Bolts for the Brake Caliper Support	09/22

07-Electrical

Justy ECVT/Ignition Relay	07/91
Legacy Intermittent Hard Or No Start/Ground Shock Tower	07/91
Legacy Ignition Relay	07/91
Justy MPI Codes 11, 13	07/91
Phantom Code 22, Knock Sensor 87-89MY "L" And XT Series.....	09/91
A/T Shift Lock System/Loyale	12/91
L-Series OHV Engine-Engine Will Not Shut-Off	01/92
SVX and Legacy Brake Lights Staying On	01/92
Legacy Poor Radio Reception/Low Volume Output	03/92
90MY to Present Justy MPI Distributor Wiring	04/92
Legacy S/W Fuse No.5 Continually Blows-Out	05/92
Legacy Sunvisor Lighted Mirror Wiring #15 Fuse	05/92
Legacy Starters	10/92
1992 MY Legacy & SVX Ignition Relay	10/92
Aftermarket Batteries	11/92
1992MY SIA Legacy S/W Rear Gate Telltale Light Won't Go Out	11/92
Justy Trouble Code 23: Pressure Sensor	01/93
1993MY Impreza Relays	05/93
Electrical Tips	07/93
Legacy Sunroof Wiring Schematic & Switch Operation	09/93
Electrical Problems? Check the Fuse	10/93
Impreza Headlamp Information	10/93
1990MY Legacy with Code 41 in ECU Memory	11/93
1990MY Legacy Code 42 Throttle Position Switch from ECM	11/93
ROM Application Chart	11/93
1993MY Loyale Intermittent Wiper Wiring Diagram	01/94
Six-Step Troubleshooting Method	02/94
Rear Defogger Wiring & Terminal Repair Kit	02/94
1990MY-Present Loyale Fuel Pump Control Unit Wiring Diagram	03/94
1992MY SVX ROMS	03/94
Battery Charging	03/94
ECVT Trouble Code 31	04/94
ECVT - Select Monitor Speed Sensor Reading	04/94
Impreza Headlights	04/94
Legacy Fuel System Wiring Diagram	05/94
Impreza Fuel Tank Sending Unit Specifications	05/94
1995MY Legacy Electrical Component Location Quick Reference List	07/94
Legacy Fuel System Wiring Diagram	08/94
SVX Spark Plug Servicing	09/94
Ignition Relays	10/94
Ignition Relays - The Sequel	10/94
1995MY Legacy Speed Limiting Device	11/94
SPI Trouble Code 13 (Crank Angle Sensor) From ECU	11/94
OBD II Check Engine Light	12/94
Speed Sensor 2	01/95
1994MY Legacy Seat Heaters	01/95
Cold Shift Locks (Impreza Shift Locks That Won't Unlock When Cold)	02/95
1985MY & Later L-Series MPFI Improper Engine Operation above 2000 RPM	03/95
Battery Replacement	03/95
Electrical Diagnosis, the Helpline, & You	04/95

07-Electrical

Battery Charging	05/95
Electrical Condition Reporting	06/95
ROM Installation	08/95
1 Mw Min.	09/95
1996MY Subaru Legacy Outback Fog Lamps	10/95
1995MY Subaru Legacy Outback Rear Power Outlet	11/95
Identification of Cam and Crank Sensors	07/96
1995MY/96MY Subaru Legacy Blows Fuse SBF-2	07/96
1997MY Legacy Power Door Lock System	09/96
Sticking or Difficult Auto Down P/W Switch Buttons (Mistakenly Printed In Section 11)	10/96
Diagnostic Trouble Code P0341	10/96
Loose Window Regulators	10/96
Rear Defogger Timer	03/97
Legacy Heater Control Panel Bulbs	03/97
'98MY Forester Transit Connector Location	08/97
'98MY Forester Trailer Hitch Wiring Harness	08/97
'95MY-'97MY Legacy Moisture Accumulation in the Headlights	04/98
2000MY Legacy Battery	09/99
Wiring Harness Connector I5	09/99
Electrical Problems? Check The Alternator.	11/99
2000MY Legacy Blows Fuse #5.....	01/00
2000MY Subaru Legacy Turn Signal Operation.....	02/00
2000MY Legacy & Outback Vehicles Fog Light Operation.....	04/00
Grounds, Grounds, Grounds.....	07/00
Daytime Running Lights	08/00
Windshield Wiper Deicer System not Working	11/00
Turn Signals Flashing Rapidly	11/00
Blower Motor Resistor Repairs	01/01
In-Dash Cigarette Lighter Usage.....	06/01
Alternator Supplier Update.....	08/01
Legacy Transit (D-check plug) Connectors.....	03-04/02
Fuse 4 Blows-Out.....	03-04/02
Legacy Rear Wiper Operation.....	03-04/02
2005MY Legacy/Outback Trailer Hitch Harness Location	07/05
Backup Power Supply Fuse	10/05
2005MY Forester Diagnostic Connector.....	11/04
2005MY Legacy/Outback Electrical Diagnosis	02/05
Body Integrated Unit (BIU) Replacement	03/05
Fuse Label Correction.....	03/05
HVAC & Audio Unit Inoperative After Wiring Harness Change	04/05
2005MY Baja with Poor Radio Reception.....	04/05
HVAC Inoperative After Wiring Harness Change—More Information	05/05
2003MY Forester Fuse Information.....	08/05
Battery Going Dead or Alarm Going Off	09/05
Information Requested For Harness Repair Kits.....	11/05
2006MY Legacy/Outback and B9 Tribeca Combination Meter Self Diagnosis	02/06
Change of Seat Heater Relay	02/06
Low Battery Voltage	06/06
2005MY Forester A/F & O2 Sensor Relay Location.....	06/06
SBF-5 Fuse Blows On 2005 MY / 2006 MY Impreza Vehicles.....	07/06
“Dark Current” Or Excessive Battery Draw.....	02/07
Erratic Tail Light Operation.....	04/07

07-Electrical

More “Dark Current” Information	04/07
Headlight Bulb Replacements –A Reminder	05/07
New Style 2008 MY Legacy, Outback & Tribeca Keys.....	06/07
Midtronics inTELLECT EXP Battery Tester Logic Update	06/07
Headlight Bulb Socket Repairs	07/07
2008 MY High Security Keys.....	08/07
2008MY Impreza Headlight Switch Operation.....	09/07
2008 Impreza Stop Light Switch C0074 and C0054	01/08
BIU Replacement and Keys	05/08
2008 Impreza Data Link Connector Color Change	06/08
Legacy & Outback Door Switch (Nov 2004 production & after).....	06/08
Wiring Harness Connector Similarities & Cautions	07/08
Forester Sunroof Reverses When Closing	12/08
2008-09 Impreza, Erratic Outside Temperature Gauge Operation	01/09
Door & Ignition Lock Cylinder Replacement Clarification	02/09
2009 M/Y Forester Power Window Information	03/09
Power Door Locks Inoperative, 2009 M/Y Forester	04/09
“Dark Current”Revisited.....	06/09
2010 M/Y Legacy & Outback Auto Up / Down Feature Operation.....	08/09
Speedometer Inoperative? Don’t Overlook the Sunroof Wiring	08/09
2010 M/Y Legacy & Outback Low-Beam Bulb Replacement	08/09
2010 M/Y Legacy & Outback Headlight Bulb Replacement Information	09/09
2010 M/Y Legacy & Outback Power Window Operation	10/09
Re-Coding Laser-Cut Keys	01/10
2010 M/Y Legacy & Outback Oil Level Warning Information	02/10
2010 M/Y Legacy & Outback BIU Interchangeability	02/10
2010 M/Y Forester “Resonating” Noise When Using the Horn.....	03/10
2010 M/Y Forester Dome Light Erratic Operation.....	05/10
2010 and 2011 Driver’s AUTO-UP Reset Information.....	10/10
2008 – 2011 Impreza Front Turn Signals Blink Too Fast.....	01/11
Remote Trunk Release Inoperative After BIU Replacement	05/11
2008 M/Y and Later Impreza Stop Light Switch Information.....	05/11
Sunroof Operation Service Bulletins	05/11
New DTC’s After Bulkhead Harness Replacement	06/11
CAN System Diagnostic Information.....	07/11
Immobilizer Codes Stored, Engine Starts and Stalls Condition.....	08/11
2011 M/Y Impreza High Beams Not Bright Enough?	10/11
Headlight Aiming Precautions	11/11
Tom-Tom Equipped Volume Control Information	12/11
2012 M/Y Impreza No Start, SBF-6 Blown	01/12
2012 Impreza Key Information.....	03/12
Sunroofs and Car Washes	04/12
Battery Testing, the Importance of Using the Right Standard	04/12
Re-Programming Information for All 2011-12 M/Y Vehicles	05/12
2013 BRZ Auto Up/Down Window Feature	09/12
Hard To Fill Fuel Tank	09/12
Eyesight Camera Adjustment.....	10/12
13 MY Legacy And Outback Accessory Charging.....	11/12
Electrical Devices And Air Bag Systems.....	12/12
14 MY Forester Turbo Battery Cable Precaution/ DTC P0606.....	02/13
Appearance of Water in BRZ Back Up Light.....	03/13
Memory Height Learning Procedure	04/13

07-Electrical

Erratic Digital Fuel Gauge Operation, 2012 My and Later Impreza, BRZ, and 2014 Forester.....	04/13
Immobilizer/ Key Registration Information	04/13
2014 Forester Information Display Selection Knob(or the Right Side or Other Trip Knob)	04/13
Campaign WQF-42 Information	05/13
Fuel Gauge Diagnostic's.....	05/13
2014 Forester Turbo, ECM Electrical Testing Reminder	06/13
2014 Forester Power Rear Gate (PRG) Initialization Procedure.....	06/13
2014 Forester Non-Turbo ECM And BIU Locations.....	06/13
2014 Forester L/F Power Window auto up/down operation.....	08/13
HVAC Electrical Connections	09/13
BIU Replacement on all Push-button Start Vehicles	10/13
2014 Forester Seat heater Operation and Switch Functions.....	11/13
Headlight Adjustment Reminders	11/13
ODS Code 29 or 37, Electrical Devices and Air Bags revisited.....	12/13
Appearance of Water Droplets in BRZ Exterior Lamps	01/14
Important Hybrid Vehicle Aux Battery Precautions.....	01/14
Operation of SI-Drive, Sport Sharp(S+) Mode after Cold Start.....	02/14
Midtronics GR8Use During Control unit Programming	02/14
2010-14 Legacy& Outback Fuse # 16 Failed in the Main Fuse Box.....	03/14
DTC P0724, Brake Switch Circuit High Input	03/14
Passenger Side Power Window Auto Up/Down Function.....	08/14
2015 Legacy/Outback Power Window Auto Up/Down Operation Revisited	09/14
2015MY Legacy and Outback Under Hood Main Fuse Box (M/B) Information	09/14
2015 Legacy and Outback Cold Weather Light Operation	10/14
2015 Legacy and Outback Under-Hood Main Fuse Box (M/B) Information.....	10/14
2015 Legacy and Outback Keyhole Shadow From Projector Beam Headlamp.....	10/14
Dark Current Draw Revisited.....	11/14
Bluetooth Pre-Call Worksheet.....	11/14
2015 Legacy/Outback Unnecessary Power Window Switch Replacements	12/14
Body Integrated Unit (BIU) Replacement/ Interior Lights Flashing	01/15
Identifying Electrical Harness Connectors.....	04/15
Electrical Diagnosis and Aftermarket Equipment.....	04/15
DTC Diagnosis and Related Wiring Harness Checks.....	05/15
2010-2016 Forester TPMS light flashing, Sensor Registration Issues	09/15
Spark Plug Information a Reminder	03/16
Battery Servicing Precautions.....	03/16
GR-8 1100 EST Battery Diagnostic Station, Power Supply Mode	05/16
No Crank No Start Diagnosis	06/16
Blue-Tooth Pre-call Worksheet.....	07/16
Ignition Key Cannot Be Removed From Ignition Switch	10/16
Quick Reference Immobilizer Type.....	10/16
Replacing B-Type BIU	10/16
Fuel Gauge Diagnosis Revisited.....	11/16
Power Window erratic, cannot program memory	01/17
No Hybrid Auto Start Stop or Ev Travel.....	01/17
BIU replacement.....	01/17
Satellite Signal Lost When Traveling South 2014-UP Forester.....	02/17
PAK file error messages	05/17
B1650 Proper Diagnosis.....	06/17
Blind Spot Detection Off	01/18
Ground Circuit Identification	03/18
No Hybrid Auto Start Stop or EV Travel	03/18

07-Electrical

ECM Reprogramming.....	05/18
Audio Unit Service/Diagnostic Menu	06/18
Quick Reference Immobilizer Type.....	08/18
Replacing B-Type BIU	08/18
Ascent Automatic Wiper Rain Sensor Initialization	10/18
2019MY Forester, Driver Monitoring System (DMS) Inoperative	11/18
2019MY Forester, Loose Negative Battery Cable/Terminal Connections.....	11/18
Performing Variant Work When Replacing Combination Meter	12/18
Automatic Start-Stop System Enable Conditions	12/18
2019MY Forester, Driver Monitoring System (DMS) Inoperative *UPDATE*	01/19
Gen 3 Clock Related Concern	02/19
2018 – 19MY Legacy & Outback – B1650	02/19
2019MY Forester- Rear Seat Heaters Inoperative.....	03/19
2019MY Forester- Automatic Seat Retraction Feature Operation.....	03/19
Electrical Diagnosis and Aftermarket Equipment.....	03/19
2019MY Forester, Driver Monitoring System (DMS) Inoperative B2632 B2642	04/19
Hill Start Assist Lamp Illuminated Without Associated DTCs or Customer’s Concern.....	04/19
2019MY Forester Manual Override for Power Rear Gate	05/19
2019MY WRX, Telematics “i” Button Sticking.....	05/19
Identical Electrical Connectors	06/19
2019 Forester Door Mirror Reverse Tilt-Down Feature.....	06/19
2020MY Legacy & Outback, DTCs B2259, B2244, B282C, & B2C22	11/19
Midtronics DSS-5000 and DCA-8000 Tips and Tricks	12/19
Mirror Tilt Inoperative	01/20
Revised Ascent Sunroof Glass (Lid) and Sun Shade Initialization Procedures.....	01/20
Change of Length of ECM Calibration ID (CID) Numbers	01/20
2019MY and up Forester MFD Displays Incorrect Vehicle Angle.....	02/20
Ascent Sunroof and Sunshade Motors	02/20
Power Rear Gate (PRG) Inoperative with Ignition ON and / or Engine Running.....	02/20
Flashing Lights on Rain Sensor Equipped Vehicles	03/20
Heated Seat Operation.....	03/20
Parasitic Draw (Dark Current) Testing and Telematics DCM.....	05/20
Replacing B/G-Type BIU	09/20
G and H Type Immobilizer Registration	10/20
Identical Electrical Connectors	10/20
Electrical Connector & Pin Discrepancy	11/20
WRE-21 Ignition Coil Connector Removal and Wire Clip Loss – How to Repair	05/21
Auto Headlight Strategy Logic from My19+ Foresters	07/21
Power door lock inoperative, erratic or rapid operation (All Models).....	07/21
Door Lock Battery Back Up Unit.....	08/21
Infotainment Continues to Play at Key Off and Door Open (All models).....	09/21
Diagnosing Network U-Codes	10/21
Parasitic Draw Testing, A Different Approach.....	10/21
Erratic Digital Fuel Gauge Operation, 2012MY and later Impreza, BRZ and 2014MY Forester	11/21
Fuel Gauge Discrepancy, not reading correctly	11/21
Lane Keep Assist Inoperative, Even When Set To “ON”	12/21
Wiring Harness Ground Bolt Torque Spec.....	01/22
Check Board Harness Diagnosis	03/22
Headlight appearance “Dark spot in headlight patterns”	04/22
2019MY(+) Hybrid Inverter Cable Installation	08/22
2010-2018 Forester TPMS light flashing, Sensor Registration Issues.....	08/22

07-Electrical

Replacing B/G-Type BIU	09/22
Identical Connectors Revisited, Again!	10/22
CAN Communication Diagnosis – Where to Start?.....	01/23
BIU Replacement TIPS and Destination Setting.....	01/23
Diagnosing Network U-Codes	02/23
Installing Window Tint & Applying Water Inside a Vehicle (Brake lights stay on)	04/23

08-Instrument & Controls

High Reading Temperature Gauge, Digital Dash 85MY & 86MY “L” Series, Including XT	08/91
L-Series Speed Sensor Replacement	02/92
1992MY Legacy FWD Modified Fuel Tank Sender Unit	09/92
Corrections to Previous Helpline Updates	11/92
Odometer Labels	02/93
Legacy Knock Sensor Testing	03/93
Legacy All Wheel Drive Fuel Gauge	04/93
Impreza Combination Meter Tachometer	05/93
Legacy Postal Vehicles with Single Action Power Door Locks	11/93
Speedometer Inaccuracies	01/95
Warning Light Operation	02/95
Legacy and Impreza Fuel Tank Sending Units	05/95
Instrument Cluster Circuit Boards	10/96
Fuel Gauges on “E”	10/96
1998MY Subaru Forester/Impreza Digital Odometer	09/97
Odometer Policy.....	02/01
Ambient Temperature Sensor	04/04
SI-Drive Multi-Information Clock Display Characteristics	04/08
2010 M/Y Legacy & Outback Clock Setting Procedure	08/09
Adjusting the Clock and Settings of the Multi-Function Display	05/10
Shift Indicator Light Applicability, 2012M/Y Impreza	04/12
BRZ Trunk Release Operation.....	07/12
Navigation Screen Displaying The Language Menu	11/12
2014 Forester Multi Function Display Messages.....	08/13
2015MY Legacy/Outback, Journey Time Alert on Combination Meter Tell tail Display	09/15
Resetting Applied Model & Option Codes for Combination Meters	12/19
Combination Meter Settings: Kilometers to Miles.....	05/20
Reading and Writing of the ECU Configuration and Odometer Value Clarification.....	06/20
2015MY Legacy/Outback, Journey Time Alert on Combination Meter Telltale Display	06/22

09-Cooling, Fuel, & Exhaust System

09-Cooling, Fuel, & Exhaust System

Justy FWD-ECVT Noise from Exhaust Pipe Joint	05/91
Legacy 4EAT Radiators	02/92
Subaru Exhaust Systems	04/92
1992MY SIA Models Production Fuel Filter	05/92
Legacy Exhaust Whistle Turbo & Naturally Aspirated	06/92
1992MY Legacy FWD Modified Fuel Tank Sender Unit	09/92
Corrections to Previous Helpline Updates	11/92
Coolant Recycling	06/93
Summer Low RVP Fuels	06/94
Fuel Quality Check	06/94
Fuel Switching	09/94
Impreza Fuel Tank Sending Unit Assemblies	09/94
Impreza Fuel Tank Capacity	10/94
Replacing Loyale Thermostats	11/94
2.2L Impreza AWD Fuel Senders	04/95
Reformulated Gasoline	05/95
Loyale Water Pump Leaks	07/95
Modified Fuel Injectors	10/96
Cooling Fan Operation	09/97
1999MY Legacy Excessive Crank Time	03/99
Vehicle Won't Take Fuel	03/99
Vehicles That Won't Take Fuel	09/99
Fuel System Quick Connector	10/99
Don't Touch That Screw!	01/00
Sulfur Smell from the Exhaust	05/00
Use of Genuine Air Cleaner Element.....	11/00
H-6 Extended Crank Time	01-02/02
Forester Fuel Line Noise.....	09-10/02
WRX STi Driveability.....	08/03
2004MY Legacy Fuel Filter Replacement.....	09/03
H6 Drivability	11/03
New Product Orientation for the Cooling System Conditioner	04/04
2004MY Legacy/Outback H-6 and H-4 (NA) Fuel Line Removal	05/04
2005MY Legacy Fuel Line Rattle.....	11/04
Fuel Order in Cold Weather (Service Bulletin Reminder)	11/04
Fuel Line Tool	12/04
Gas Mileage	03/05
Fuel Hose Retainer Clips.....	06/05
B9 Tribeca Fuel Line Tool	04/06
Subaru Vehicles and Driveability.....	09/06
STI Models Fuel Recommendation	11/06
Fuel Odor on Initial Cold Starts.....	02/07
Engine Cooling System Service & Care Recommendations.....	06/07
Fuel-Related Driveability Concerns.....	08/07
Genuine Subaru Cooling System Conditioner Information	10/07
Subaru Super Coolant.....	11/07
P0171 and "Hard Start" Concerns	12/07
More Subaru Super Coolant Information	03/08
Wynn's Cooling System Equipment Announcement.....	08/08
"Back To Basics" Rattling Noises From Under the Car	02/09

09-Cooling, Fuel, & Exhaust System

2009 M/Y Forester Fuel Gauge Inconsistency	02/09
2010 M/Y Impreza, Rattling Noise from Exhaust	10/09
More “Super Coolant” Information.....	10/09
WVJ-20 (Baja Fuel Pump Outlet Pipe) Revised Product Campaign Bulletin Information.....	11/09
2011 M/Y Impreza Fuel Door Update	12/10
2011 M/Y Forester Fuel Pressure Testing Information	02/11
Rough Idle Condition Following WVU-31 Reprogramming.....	06/11
DTC P0453 Diagnostic Information.....	11/11
FB Engine Fuel Pressure Testing Information	03/12
BRZ High Pressure Fuel Pump	07/12
BRZ Exhaust System Hardware.....	08/12
Radiator Leaks And Damage	08/12
Locksmith Information.....	09/12
Use of Dye In AC Systems	09/12
12 Impreza Muffler Appearance Change	10/12
New Fuel With 15% Ethanol	10/12
AF sensor and O2 sensor Removal.....	01/13
New Fuel 15% Ethanol Reminder.....	08/13
Hard to Fill Fuel Tank Revisited	12/14
Cooling System Appears to be Overfilled at PDI	06/15
P05A0 and Active Grill Shutter Inspection	01/17
Fuel Tank Cannot be Filled	07/17
Won't Take Fuel Concerns – Revisited	08/21
DTC P26A3, P26A5, P26A7 Thermo Valve Diag, w/codes P2004, P2005, P0087,P088, P0091	12/22

10-Heating Ventilation & A/C Systems

10-Heating Ventilation & A/C Systems

A/C Service Oil Adjustment	06/91
A/C Diagnostic Aids	08/91
A/C Pulser System Electrical Diagnosis 89MY & 90MY Loyale	08/91
1992MY Legacy A/C Compressor Bracket Discontinuation	11/91
Justy Wynn's Air Conditioning Installation	03/92
The Use of A/C Refrigerants Other Than R-12	07/92
Justy Air Conditioning Information	07/92
Air Conditioning Evaporator Odor	08/92
SVX Zexel Auto A/C	09/92
Legacy A/C Compressor	10/92
Legacy A/C Kit Supersession	10/92
HFC134a Air Conditioning Refrigerant	02/93
R134a Air Conditioner Refrigerant Service Bulletin	03/93
Legacy Zexel Air Conditioning	04/93
Legacy Compressor Belt Tension	04/93
1993 MY Impreza Air Conditioning Inoperative	07/93
Loyale Factory Installed A/C Does Not Operate	07/93
HFC 134a Air Conditioning Systems	07/93
SVX Auto A/C Display Degrees Celsius to Degrees Fahrenheit	11/93
Bulletin 10-64-92 Heater Vent Door Binding or Leaking Air	12/93
Refrigerant Cross Contamination	01/94
0Z-12: The Facts	02/94
SVX Complaints of No Heat from Dash Vents	04/94
1995MY Impreza Coupe - Bubbles from the Dash Vents	10/94
A/C Reminder	05/95
PAG Oils	05/95
Air Conditioner Hoses	08/95
1995MY RHD Postal Legacy Air Conditioning System	08/95
A/C System Diagnostic Tips	08/95
A/C Testing For System Leakage	08/95
SVX A/C Cutting out When Ambient Temperature Is Hot; SVX Engine Running Hot	09/95
SVX Evaporator Thermo Sensor, Intake Sensor	10/95
A/C Performance-All Models	10/95
Refrigerant Recovery and Recycling Certification	06/96
CFC R-12 Substitute Refrigerants	06/96
Refrigerant Substitutions Warning	08/96
SVX A/C Temperature Control Indicating Centigrade vs. Fahrenheit	10/96
A/C Odors	05/97
1997MY Legacy A/C Seal Ring (Axis Seal) Change	05/97
1998MY Subaru Forester Dash Vent Noise	09/97
1998MY Subaru Forester Squeaking Noise with A/C on	09/97
Dust and Dirt Entering Rear of Vehicle	11/97
Subaru Impreza Center Dash Vent Airflow	07/98
Subaru A/C Retrofit Kits	09/98
Use of A/C Dyes in Subaru Air Conditioning Systems, Manufacturer's Recommendations	09/98
Seasonal Reminder	05/99
A/C Retrofit Kit Information	07/99
A/C Inoperative – Impreza/Forester Vehicles	10/99
2000MY Legacy Heater Control Cables.....	05/00
2001MY A/C Disconnect Procedure	07/00

10-Heating Ventilation & A/C Systems

Mode Control Panel Change.....	02/01
2001MY Legacy Evaporator Thermostat Probe Location	07/01
Legacy H6 A/C Compressor Cutting Out	08/01
Valeo/Zexel A/C TXV Fastener Torque Specification	08/01
H6 Climate Control System Information.....	09/01
Change To 2002MY Legacy/Outback A/C Information.....	09/01
2001/2002MY Legacy Blower Motor Noise.....	11/01
Blower Motor Noise.....	08/02
Blower Motor Noise.....	01-02/03
Auto. A/C System Aspirator Tubes.....	07/03
Service Bulletin 10-72-02R – An Update.....	10/03
B9 Tribeca Air Conditioning Information	09/05
Water Leaking Onto Passenger Floor Board Area	09/05
Water Leaking From A/C Evaporator	10/05
2005MY Legacy/Outback: Water Leaking from A/C Evaporator	11/05
2005~06MY Legacy/Outback Center Dash Vent Temperature.....	05/06
B9 Tribeca Air Conditioning Information	06/06
H6 A/C Compressors Cutting Off	06/06
06MY Impreza Models: Manual Climate Control System Air Flow Dial “Spring Back”.....	07/06
Refrigerant Dye Use to Detect Refrigerant Leaks	10/06
A/C Operation Logic Change for 2007MY	11/06
R134-A Recycling Recovery and Recharge Machines: New Manufacturing Standards.....	12/06
2007 MY Forester A/C Compressor Changes	04/07
A/C Certification –It’s the Law	04/07
Erratic Dash Vent Temperatures.....	02/08
HVAC Servo Harness Connector Confusion.....	01/09
2010 – 11 Legacy / Outback Vibration Felt in the Brake Pedal	11/10
Reminder- Use of A/C Leak Detection Dyes.....	08/11
Center Dash A/C Vents Closing, 2010-12 M/Y Legacy / Outback Models	11/11
2013-14 Legacy and Outback Center Console Rear Air Vent Function.....	03/14
A/C Diagnosis	07/17
Condensation Inside Vehicles	12/17
R-134 A/C Oil Guidelines.....	07/18
B2242 Set With no Trouble Symptom	02/19
Recovery of Contaminated R-1234yf	08/20
2020+ Legacy/Outback Passenger Air Mix and Intake Air Door Actuators	10/20
20-21MY LGY/OBK, “Setting temperature shift” in A/C CM customization.....	05/21
2022 WRX AC Condenser, Oil Residue	04/22
HVAC Temperature Sync.....	03/23

11-Emission Systems

Justy "Check Engine" Light On/EGR Hose Pulling Off	11/91
ROM Reminder/Legacy A/T Vehicles	12/91
SVX Trouble Code 12	12/91
SVX Code 37 O2 Sensor (LH)	01/92
L-Series SPI Code 34 (EGR Solenoid)	02/92
All Models False Trouble Codes	04/92
Legacy Turbo Sport Sedan Code 45 (Pressure Sensor, Pressure Exchange Solenoid Valve)	06/92
Legacy Code 32 O2 Sensor	06/92
Justy Code 13	08/92
ROM Installation Tips	09/92
ECU Memory-All Models	09/92
Justy Trouble Code 23: Pressure Sensor	01/93
O2 Sensors for XT4 and XT6 Vehicles	12/93
Legacy Code 32 O2 Sensor	03/94
Carbureted Vehicles with ID Codes While Engine Is Running	06/94
OBD II - DTC P0441 "Evaporative Emission Control System Incorrect Purge Flow"	11/94
OBD II Test Drives	11/94
Legacy and Impreza Engines with No Injection Pulse #1 Cylinder	03/95
Impreza Air Suction Valve Noise	03/95
1995MY Subaru Legacy DTC P0505 - Idle Control System Malfunction.....	06/95
1995MY Subaru Legacy DTC P0325 - Knock Sensor Circuit Malfunction	06/95
1995MY Subaru Legacy DTC P0130 - Front O2 Sensor Circuit Malfunction	06/95
Rough Idle on MPFI Vehicles	07/95
1994MY Impreza ROM Sockets	07/95
DTC P0505 Idle Control System When Solenoid Measures 5w or Less	09/95
Extreme Cold Weather Engine Warm Up & OBD II	12/95
Loose Fuel Caps & Trouble Code P0440	07/96
1997MY Legacy Warranty Claims For Loose Fuel Caps	09/96
Legacy (Non Turbo), SVX, & Impreza ISC Valves	09/96
DTC P0440 & Legacy Fuel Caps	11/96
Blue Vs. Gray Connectors during Diagnosis	11/96
Extreme Cold Weather Engine Warm-Up & OBD-II	11/96
DTC P1500 Radiator Fan Relay One Circuit	03/97
1997MY Subaru Impreza Outback Sport	03/97
Understanding P0440	04/97
DTC P0507- Idle Control System RPM Higher Than Expected	05/97
DTC P0500	07/97
Additional Information regarding Code P0440	07/97
OBD-II Cylinder Misfire Codes	08/97
More P0440 Information	10/97
Exhaust Smell during Cold Start	01/98
Model Year 1998 Changes In P0440 Evap. Operation	1/98 & 05/98
DTC P0440 Revisited	05/98
DTC P0440 Tip	11/98
DTC P1507	11/98
DTC P0705 Diagnostics	05/99
Freeze Frame Data	08/99
Evaporative System Diagnosis	09/99
OBD Readiness Codes	11/99
DTC P0440 1998/1999MY Forester	1/99

11-Emission Systems

WXV-79 Engine Control Module Service Program.....	11/00
Freeze Frame Data	05/01
Ignition Coil Service Precaution	01-02/02
2002MY Legacy Atmospheric Pressure Solenoid Valve Operation	03-04/02
DTC P1591 2002MY Impreza WRX M/T.....	03-04/02
C.I.D. Number for Reprogramming	03-04/02
WWG-90 Campaign Bulletin Correction	08/02
ECM Reflashing Claim Coding.....	01-02/03
Diagnostic Trouble Codes After WWK-94.....	05/03
ECM Calibration Identification Numbers.....	05/03
ECM Reflashing.....	05/03
Control Unit Reflashing Information	07/03
Diagnostic Trouble Code (DTC) Detecting Criteria.....	08/03
Rough Idle/Check Engine Light after Battery Disconnect	09/03
Evaporative Canister Rattle Noise in '04MY Impreza.....	09/03
ECM Reprogramming – A Reminder	01/04
2004MY Legacy PZEV Vehicles	04/04
DTC P1507 on 1996MY-1999MY Legacy Vehicles	04/04
Updated Reprogramming Sheet	05/04
ECM Reprogramming Fax Forms.....	09/04
Freeze Frame Data	09/04
Air Fuel Ratio Sensor Kits.....	12/04
2005MY & Reflashing	12/04
DTC P0171.....	04/05
Updated Reprogramming Sheet	08/05
DTC P0171.....	09/05
Freeze Frame Data & Calling the TechLine	09/05
ECU Reflashing	10/05
DTC P0715.....	10/05
DTC P0171 – 2006MY H4 Legacy/Outback	11/05
Throttle Sensor and Tumble Generator Valve (TGV) Sensors	11/05
DTC P2097 & Reflashing	01/06
3.0L Models: Fuel Requirements Revised.....	02/06
DTC P0400 Diagnosis	06/06
DTC P1443	08/06
DTC's & Reflashing.....	09/06
Clearing DTC's on 2005-2007MY SIA-Built Vehicles	02/07
Diagnostic Help for Evaporative System Codes	04/07
Reprogramming Reminder: Jumper Harness Connectors.....	05/07
DTC P0457	09/07
DTC P1443 and the 2008 M/Y Impreza	11/07
Misfire Codes “Don't Forget To Check...”.....	01/08
Secondary Air Injection System Codes	12/08
WVH-18 & WVI-19 Service Program Information	07/09
“Rusty” Appearance of the Exhaust System	05/10
2010 Legacy GT DTC P0171.....	05/10
TIPS on Inspecting DTC P0171 or P0172	07/10
New 2011 M/Y Forester Evaporative System Testing	12/10
2011 M/Y Forester: Sound From Under the Rear of the Car.....	04/11
Rust Stains on Stainless Steel Exhaust Systems	06/11
DTC P0457 Information	07/11
2011 M/Y Forester, DTC P2610	10/11

11-Emission Systems

Troubleshooting DTC P0457 on 08 and Later Model Years.....	02/13
Getting to the Bottom of Extended Cranking.....	03/13
WQD-40 A Reminder.....	04/13
Repeat 420 Codes on High Mileage vehicles	08/13
More Information on Stainless Steel Exhaust System Surface Rust	05/14
Secondary Air Injection DTC's P2441 and P2442	07/15
DTC P0171 Diagnostics.....	07/16
ELCM (Evaporative Leak Check Control Module) Self Testing for Diagnosis	03/17
DTC P0171 Diagnostics.....	12/17
DTC P1378- "Pre-Ignition Detected" – 2019MY Ascent.....	07/18
2019MY Ascent: DTC P0606, Control Module Processor: Diagnostic Hints	10/18
2015MY Legacy/Outback Seat Heater Operation Overview	12/18
Secondary Air Injection Diagnostic Trouble Codes P2441 and P2442	04/19
ELCM Self Testing for Diagnosis	10/19
P04AE Diagnostic Issues for 2019-2020MY Ascent	11/19
DTC P0171 Diagnostics.....	12/20
EVAP System Smoke testing	12/20
DTC P0171 Diagnostics.....	02/22
Mode \$06 and CID/CVN Collection.....	12/22
EGR, EVAP & AVCS Readiness Monitors 21MY+.....	03/23

12-Body, Glass, & Upholstery

12-Body, Glass, & Upholstery

Legacy Glove Box Rattling Noise	05/91
Wiper Blades	08/91
Legacy Sunroof Shade Servicing	10/91
Legacy Wiper Blade Improvements	10/91
Legacy Wind Noise	03/92
Legacy Modified Wiper Arms	03/92
SVX Glass Replacement	04/92
Legacy Upper Windshield Molding Loose	05/92
Door Glass Squeaks Going Up & Down	11/92
Windshield Wiper Maintenance Tips	12/92
1992MY SVX Interior Noise Complaints	08/93
1992MY SVX Sunroof sticking (Difficult to Open)	08/93
Customer Complaints of Whistle Noises	12/93
Seat Belts	01/94
1993MY SIA Built Legacy, Headliner Droop	03/94
1993MY Legacy SIA Built Legacy, Headliner Droop	04/94
Legacy Trim Item Characteristics	04/94
Legacy Door/Ignition Key Code Location	04/94
Sunroof Water Leak Diagnosis	05/94
Keys Plates	10/94
Door Lock/Linkage Inoperative	11/94
1995MY Legacy Wagon Rear Cargo Anchors	12/94
1995MY Legacy Power Door Locks	12/94
Foggy Film on Windows	12/94
1995MY Subaru Legacy "Fluttering" Noise	08/95
Subaru Outback Front License Plate Mounting Kit	10/95
Winter Driving Tip, Interior Window Fogging	01/96
Foggy Film on Windows	01/96
Legacy Wind Noise	02/96
Water in the Rocker Panels	07/96
Loose Bolts on Window Regulators	09/96
Poor Drainage from Rocker Panels: 1995/96MY Legacy Models	09/96
'97MY Legacy Body Creaking Noise, RH Side Rocker Panel Area	02/97
Proper Operation of Seat Belts, ELR vs. ALR	08/97
New Cup Holder For '98MY Legacy	11/97
Replacement Wiper Blade Refills	09/98
Improper Driver's Side Window Operation	10/98
1999MY Impreza Wind Noise	01/99
Bumper Cover Installation Tip	02/99
Front Seat Tracks	04/99
1999MY Forester Radio Antenna	04/99
Tether Anchor Points 1995 – 1999MY Legacy Sedan/SUS	07/99
2000MY Legacy Front License Plate Mounting	09/99
2000MY Wiper Washer System	09/99
Upholstery Items – Repair/Replace	10/99
Forester Tailgate Squeaks/Rattles/Popping	11/99
Metallic Window Tint Films.....	04/00
Front License Plate Mounting For 2001MY Forester.....	04/00
Wind Noise/Crossbar Installation.....	08/00
Inoperative Windshield Washers.....	02/01
WRX Aluminum Hood Precaution	10/01

12-Body, Glass, & Upholstery

2002MY Impreza Sedan Trunk Lock Cylinder.....	01-02/02
Windshield Wiper Washer Connection.....	11/02
Sound Dampening Pad	04/03
Adhesive Residue on Painted Surfaces	08/03
Creaking Noise from Door Checker	08/03
2003MY Forester Washer Nozzles.....	09/03
2003-04MY Front Seatback Cover Reinstallation.....	11/03
2001-02MY Forester Sunroof Leak	11/03
2004MY Forester Rear Gate Damper Stay.....	11/03
Striker Color Change.....	02/04
2003MY Forester: Water Leak from Roof Rail Clip	03/04
Forester Bumper Fastener Bolt Change	03/04
2005MY Legacy Seat Belt Chime Activation.....	08/04
Seatbelt Reminder System Disablement	08/04
ODS Code 29	09/04
Frozen Wiper Blades	12/04
Wiper Blades & Winter Weather	01/05
2005MY Legacy/Outback Moon Roof Sunshade Block & Rod Assembly.....	02/05
B9 Tribeca Front License Plate Mounting	04/05
Wiper Blades & Visibility.....	06/05
Adhesive Residue On '06MY Forester Rear Tailgate Garnish.....	07/05
Wind Noise Diagnosis	10/05
VIN Plate Location Change	10/05
Wiper Blades – The Basics	10/05
2006MY Impreza Tool Tray.....	10/05
Front Washer Nozzle Does Not Spray Properly	01/06
Ashtray Door Paint	04/06
2005MY Legacy Repair Procedure of Overhead Console when the Lid is Hard to Open/Close.....	04/06
2003~05MY Forester Sunroof Squeaks.....	05/06
2004-2007MY Forester Sunroof Operation.....	09/06
Baja Factory Installed “Hard” Bed Cover Replacement Keys.....	12/06
Forester Rear Gate Handle Binding	01/07
B9 Tribeca Body “Popping-Type” Noise From the Right Front Strut Area.....	01/07
2007 MY Legacy & Outback Overhead Console Door Binding	04/07
2003-2008 MY Forester Sunroof Squeak	04/08
2009 MY Forester Side View Mirror Torque	05/08
2009 MY Forester Undercoated Wheel Wells	06/08
Rear Wiper Blade Refill	05/07
Impreza, Water in the Trunk	03/07
2008 M/Y Impreza, Rattling Noise from the Right Front.....	09/08
2009 Forester Buzzing or Rattling Noise from the Front Doors.....	11/08
Forester Sunroof Not Closing Properly	11/08
Subaru Genuine Wiper Blade Inserts.....	01/09
2009 M/Y Impreza Rear Seat Updates	02/09
2009 M/Y Forester Rear Combination Lamps	03/09
2009 M/Y Forester Tailgate Grommet Removal.....	03/09
2009 M/Y Forester Rattling Noise from Rear of Head Liner	04/09
2010 M/Y Legacy & Outback Power Lumbar Support Operation.....	09/09
2008-09 M/Y Impreza, Rattling or Vibration Noise from Right Front.....	09/09
2009-10 M/Y Forester Rear Gate Creek.....	11/09
2010 M/Y Outback Flapping or Fluttering Noise.....	11/09
2009-10 M/Y Forester Rear Seat Rattle / Squeak.....	01/10

12-Body, Glass, & Upholstery

Buzzing / Vibration Noises from Inside the Doors	12/09
2010 Legacy / Outback Rattle From Overhead Console Area	04/10
Whistling Noise from Windshield Area at Highway Speed.....	05/10
Slow or Erratic Door Glass Operation	05/10
Stained Rocker Sill Moldings	11/10
Forester and Impreza Rear Quarter Glass Moldings	01/11
Bare Metal Visible in Tie-Down Areas of Undercarriage.....	04/11
Popping or Creaking Sound from L/Rear, 2010 M/Y Forester	05/11
Buzzing / Vibration Noises Inside the Doors, 2008 and Later Impreza.....	07/11
Windshield Cracks on the Inside.....	07/11
2011 M/Y Forester, Rattling Noise from the Rear Roof Area	10/11
Heat-Damaged Plastic Parts.....	10/11
WV-32 Campaign, Cowling Clip Removal Tips.....	10/11
Windshield Cracks on the Inside, A Reminder	11/11
2010-11 M/Y Outback "Popping" or "Tick" Noise from the "B" Pillar Area	11/11
2012 Impreza Glove Box Light	07/12
Cleaning Spotted Window Glass	07/12
BRZ Rear Fold Down Seats	07/12
BRZ Protective Sun Visor Cover	08/12
A-Pillar Trim Tether Clips	08/12
Impreza Rear Package Shelf Rattling Noise	09/12
2010 to 2012 Headliners	09/12
Removal of protective film on side sill plate cover 13 BRZ	10/12
12 MY Tribeca Roof Rail.....	11/12
09-13 MY Forester Rear Seat Reclining Button	11/12
13 MY BRZ Rear Bumper Removal.....	11/12
Windshield Cracks on the Inside (Reminder)	01/13
WQA-37 Campaign (Special Pliers).....	03/13
Melting Plastic Parts.....	05/13
BRZ Front Bumper Cover Removal Precautions.....	01/14
2014 Forester Power Rear Tailgate.....	04/14
Whitish Discoloration/ Deposits on Front Door Panels, 12MY and Later Impreza and Cross trek.....	06/14
2015 Legacy and Outback Seat Heater Overview	08/14
2015 Legacy/ Outback Center Console Compartment Door Information.....	09/14
Design Change to the Zippers Used On Front Seat Backrest Covers.....	09/14
Rattle Sound from Right Side of Dash Area.....	01/15
Whitish Discoloration/ Deposits on Front Door Panels, 12MY and Later Impreza and Crosstrek	
2015 WRX and STI	01/15
Fuel Door Freeze Up.....	04/15
Erratic Washer Fluid Level Warning Lamp Illumination	09/15
Glass Authorization Request-Additional photo required.....	11/15
2015 Legacy/ Outback, Rattling Sound from Front of Vehicle	12/15
Interior Rear View Mirror Separation Reminder	07/16
Water Draining from Body Panels	11/18
Snowflake Type Damage to Glass	01/19
Cleaning Spotted Window Glass	02/19
2019MY Ascent, Spare Tire Hoist Precautions	05/19
Rattle Sound from Steering Wheel Area	02/20
Ascent Wind Rushing Noise.....	03/20
2019MY and up Forester- Airbag Warning Light Illumination Caused by the Use of Water and / or Glass	
Cleaner	06/20
Water leaking into cabin from door trim all models and model years	08/20

12-Body, Glass, & Upholstery

Ascent Sunroof Frame Assembly.....	05/21
Rattle sound from driver side dash area	06/21
2022MY BRZ Front and Rear License Plate Installation	11/21
Diagnosing Repeat P2762 and P2757	07/22
Accessory Catalog update.....	01/23
20MY+ Legacy/Outback Manual Adjustment of Power Seat after Motor Failure.....	01/23
Condensation in Headlights and Taillights	04/23

13-Paint

13-Paint

3M Paint Polishing Assistance	03/92
'95MY Legacy Outback Paint	01/95
Correction to Service Bulletin 13-67-95r	11/95
Helpline Update	01/96
Water Spotting On Painted Surfaces	09/96
Paint Procedures for Subaru Bumpers	08/01
Trim and Paint Code Update.....	04/04
2005MY Forester LL Bean Models Color Code Information Correction.....	11/04
Paint Discoloration in Wheel Opening Areas	10/09
Finishing Plastic Parts	04/10
XV Crosstrek Paint Schemes/Under Hood Insulator	11/12
Paint Condition on Hood – Moisture Stain.....	12/18

14-Special Tools

14-Special Tools

Select Monitor Cartridge	10/91
4EAT Valve Body Servicing	12/91
4EAT Band Servo Servicing	12/91
System Check Units for '85MY, '86MY, and '87MY	04/92
SVX Select Monitor Cartridge	04/92
Select Monitor Repair	08/92
Air Conditioning Refrigerant Recycler	08/92
Special Tools for Rear Wheel Bearing Replacement on Legacy All-Wheel Drive Models	09/92
Select Monitor Cartridge Application Chart	11/93
Transmission Pressure Gauge Set	03/94
Select Monitor Repair	11/96
Subaru New Select Monitor Repairs.....	07/99
2001MY Subaru Forester select monitor cartridge	02/00
New Select Monitor Repairs – An Update.....	11/00
New Select Monitor Cartridge.....	01/01
Subaru Fuel Injector Cleaner Tool	05/01
Select Monitor Cables.....	10/01
Select Monitor Image Loader Software/Hardware	03-04/02
Oxygen Sensor Removing Tool.....	01-02/03
2003MY Impreza Select Monitor Cartridge Application	01-02/03
Select Monitor Repairs – An Update.....	10/03
2005MY Legacy/Outback Key Cutter.....	10/04
Kent-Moore Website	11/04
Select Monitor Repairs: Latest Information.....	03/05
SDS (Subaru Diagnostic System) & Mode Files.....	02/06
SDS Kit & Pre-Testing Your Subaru Select Monitor III	03/06
Subaru Select Monitor III & CID Numbers.....	03/06
Updated Repair Center Phone Number for Kent-Moore.....	06/06
New Menu Prompts When Calling the SDS Technical Support Helpline.....	07/06
Mid-Tronics EXP-1000	08/06
New Special Tool Kit SOA321064 Sent To All Subaru Dealers	10/06
Front Fender Insulator for WRX and STI (Excluding STI Limited).....	12/06
Latest SSMIII Software Download Version	03/08
Re-Booting Your SDS Notebook.....	04/08
Latest SSMIII Software Download Version	06/08
SDS Notebook (CF-18) Helpful Hints.....	07/08
Latest SSM III Software Version Download	09/08
Legacy / Outback M/T High Idle Re-Flash Clarification.....	10/08
SSM III Pulse / Analog Kit (Oscilloscope) Information.....	10/08
Issues with Using SMART (Subaru LMS System)	11/08
Replacement Cables For Subaru Diagnostic System (SDS).....	03/09
Fuel Alcohol Tester	04/09
Fuel Pressure Tester Warning from SPX	09/09
Select Monitor (SDS) Issues with Campaign WVM-23	12/09
Important Engine Support Bracket Return Information	04/10
SDS Printer Problem... Who You Gonna' Call?.....	06/10
Techline Pre-Call Worksheets	08/10
CF-U1 Reprogramming Kit Monitor Use.....	07/11
Flashwrite Error Code 4404.....	08/11
Power Steering Rack Service Tool Information.....	09/11
Using the Service-Techline Reporting Feature on Subarunet.....	09/11

14-Special Tools

Body Repair Manual User Information	11/11
2012 Impreza Special Tool Shipments	12/11
New Snap-On Ball Joint Remover Instructions.....	04/12
Connecting Rod Bolts on FA and FB Engines	09/12
Printing Freeze Frame Data.....	09/12
Special Tools For The BRZ.....	09/12
Engine Bridge Replacement Parts	11/12
Test Harness Probes	12/12
Using Your Oscilloscope	12/12
SDI Interface Box and Self Shut Timer	01/13
14MY Forester SSM3 Operation	01/13
SSM3 Unit Of Measurement	08/13
Subaru Special Tools Website URL Update	01/14
GR-8 Battery Testing Information	03/14
New SSM4 software on the C2 Toughbook.....	06/15
Recommendations for use of the Denso DST-I diagnostic interface.....	09/15
Stopper Tool for CVT and Automatic Transmissions	11/15
April 2016 SSM4 Changes	04/16
Precautions When Using the DST-I Box.....	08/16
New Function SSM4 October Version.....	11/16
SSM3? SSM4? Generic? What Diagnostic Scan Tool Should I Use?.....	04/17
New Special Tool – Relay Pliers	02/18
WUE-90 Stop Lamp Switch Recall, Special Tool Tip.....	05/19
False Error Message Displayed When Scanning 2019MY Impreza Sedan with SSM4	07/19
Errors when Programming with Flashwite® 2	02/20
Special Tools - Denso USB Cable.....	04/21
Midtronics DSS-5000 Helpful Hints	04/22
Denso USB Cable & ECM/TCM Reprogramming	07/22
Changing Interface Settings for DST-i and DST-010.....	11/22
DST-010 Firmware Upgrade	02/23

15-Accessories

Radio Display Interruption with Brake Pedal Application	05/91
Justy Radio Display Fade	07/91
SVX Security System	10/91
Legacy, Noise Heard Through Speakers When the Illumination Control Is Varied, Clarion Radio	10/91
Quick Cruise Control Check	12/91
SVX Radio Servicing	12/91
SVX Security System	01/92
SVX Compact Disc Player	02/92
SVX Security System Warning	02/92
Legacy Cruise Control Installation	03/92
Loyale Cruise Control for 92MY	03/92
L-Series Poor Radio Reception	03/92
L-Series Clarion 10 Watt ETR and Panasonic Elite LC Cassette Deck Incompatibility	03/92
Radio/Cassette/CD Exchange Or Out Of Warranty Repair Programs	04/92
Accessory Cruise Control Installation in Rural RHD Legacy Postal Models	04/92
Legacy Security System Wiring Information	04/92
1992MY Legacy Cruise Control Installation	06/92
Loyale SOA386C110 Cruise Control Installation Tips	06/92
Legacy Station Wagon "LS" Power Antenna	07/92
Legacy Security System Installation 1991MY to Present Station Wagon Models	07/92
Loyale (SOA386C110) Cruise Control Installation Tips Correction	07/92
Tips for Installing Security System SOA386R100 in A 1992MY Loyale	03/93
Impreza IAC Formerly Called FICD Adjustment	04/93
SVX Audio Assembly Removal	06/93
1993MY SVX New Security System Installation Tips	08/93
Legacy Panasonic 80 Watt Radio Noise in Speakers	08/93
Poor Radio Reception AM or FM	10/93
Legacy & SVX Security System Transmitter Battery Servicing	10/93
SVX New Security System Programming Tips	10/93
SVX Rear Speakers Buzzing	01/94
1995MY Legacy Security System	07/94
1995MY Legacy LSI Security System	09/94
Accessory Block Heaters	10/94
1990MY-1994MY Legacy Security System Operation Q&A	10/94
Installing 1995MY Legacy Roof Racks	11/94
Impreza Accessory	01/95
Hubcaps	01/95
Accessory "Outback" Wheel Covers	03/95
1995MY Subaru Legacy Front End Cover (Bra)	03/95
Installing Impreza Fog Lamp Kits	03/95
Cruise Control & the Use of the Select Monitor	04/95
1995MY Legacy Cruise Control Corrections	04/95
1995MY Legacy LSI Security System Module I/O Chart	04/95
1995MY Legacy S/W Accessory Fork Mount Bike Carrier	05/95
Impreza Foglight Installation	05/95
Radio Noise	06/95
1995MY Subaru Legacy LSI Alarm System	06/95
1995 Subaru Legacy Cruise Control	06/95
Testing Cruise Control Pumps	09/95
Installation of Subaru Impreza 'LX' S/W Rear Spoiler	09/95
1995MY Subaru Legacy with Panasonic Radios	11/95

15-Accessories

1995MY/1996MY Subaru Impreza & Legacy Cruise Control Applications	11/95
Alloy Wheel Center Caps	12/95
Impreza Fog Lamp Kit P. N. H4510FA100 Fuse Location & Wiring Changes For '96MY	12/95
Outback Trailer Hitch Part Number L1010AS000 Change In Torque Spec.	12/95
Cruise Control for 2.2 Liter '96 MY 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 When Leaving the Car	04/96
1995MY & 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 1/2MY and 1997MY Legacy Cruise Control Supplemental Installation Instructions	07/96
1995 & 1996MY Subaru Legacy W/Power Antenna	08/96
1997 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
1996MY Impreza Accessory Keyless Entry Kit H7110FS000	01/97
1997MY 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 & H7110AS300 For 1995MY & 1996MY 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
1997MY Legacy Keyless Entry & Security Upgrade Modifications	03/97
Legacy Keyless Entry/ Security System Upgrade	04/97
1997MY Impreza Foglamp Installation Tips For Kit #H4510FA200	05/97
1997MY Legacy; Programming Replacement Keyless Entry Control Unit	07/97
New CD Changer Installation Procedures	08/97
Forester Removable Antenna	09/97
1996MY Subaru Legacy Keyless Entry System Not Operating Correctly	09/97
Subaru Keyless Entry Batteries	09/97
Accessory Gauge Pack Information	10/97
1998MY Forester Keyless Entry System Information	10/97
1998MY 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
1998MY 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

15-Accessories

1998MY 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
1999MY Cal. Spec. Impreza Security Kit Availability	01/99
Shock Sensor Mounting for Forester/Impreza with Security Upgrade	01/99
Keyless Entry into 1999MY 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
1999MY/2000MY Legacy Alpine Keyless Entry/ Security System Dome Light Operation	10/99
Trailer Hitch Bike Attachment	11/99
2000MY Legacy Rear Spoiler	11/99
Auto Dimming Mirror/Compass.....	01/00
Rear Gate Bar P/N E7510IS001 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 I1010SS000	03/01
2002MY WRX/Impreza TechTIPS Special Edition.....	03/01
Cross Bar Positioning.....	05/01
Short Throw Shifter	05/01
Accessory Updates.....	07/01
Titanium Shift Knob (P/N C1010FA100) Shift Emblem Location	09/01
WRX Performance Gauge Pack.....	10/01
Impreza Sedan Spoiler Installation Tips.....	10/01
Forester Splash Guard Installation Tips	10/01
WRX Steering Column Mounted Boost Gauge.....	11/01
2002MY Impreza Subwoofer/Amplifier Compatibility.....	11/01
2002MY Impreza Front Under-Spoiler Installation Change.....	11-02/02
2002MY WRX Front End Cover	01-02/02
2002MY Impreza 120 Watt Subwoofer Bracket Change.....	01-02/02
EC Compass Mirror Calibration	03-04/02
BAJA Bed Extender	09-10/02
Seat Heater Information	03/03
New Baja & Legacy Hood Deflector Installation	03/03
Impreza Sedan Spoiler Changes.....	05/03

15-Accessories

Baja Bed Cover Replacement	05/03
STI Security Module Torque Specifications	07/03
Bumper Beam Plug for Baja Trailer Hitch.....	07/03
2004MY Forester Hood Deflector/Protector	08/03
Tonneau Cover Replacement Parts For Legacy 00MY~03MY	08/03
2004MY STI Single Turbo Gauge Installation/Intercooler Removal	08/03
Revised Electronic Control Compass Mirror.....	08/03
2004MY Forester Single Turbo Gauge Installation/Interior Trim Removal	08/03
WRX STI Audio System.....	08/03
WRX Performance Suspension Kit (STI)	09/03
Baja Sport Activity Lights.....	09/03
Baja Sport Activity Lights - Relay Location.....	01/04
Forester Crossbar Design Revision.....	01/04
Baja Bed Cover Replacement (Reprint from May 2003)	01/04
Poor Radio Reception	02/04
Baja Sport Activity Lights – Relay Location – Correction	02/04
What’s That Noise?	04/04
Poor Radio Reminder	04/04
Cruise Control Actuator.....	04/04
Trailer Hitch Installation	07/04
'05MY Sedan Spoiler Template.....	07/04
'05MY Splash Guard Tape Area.....	07/04
'05MY Cargo Net Anchors	07/04
'05MY Legacy & Outback Hood Protector Mounting Points	07/04
2005MY Legacy and Outback Crossbar Positioning	07/04
EC Compass Mirror Mounting.....	07/04
2005MY Legacy & Outback Ambient Temperature Sensor	07/04
Subwoofer	07/04
Rear Cargo Net Pre-Arranged Drill Marks.....	07/04
Trailer Hitch Installation	07/04
Impact Sensor (Shock Sensor) Activation.....	07/04
Impact Sensor (Shock Sensor) Location.....	07/04
2005MY Legacy/Outback H-4 & H-6 Model Relay Location	07/04
Sedan Spoiler Tether Location.....	07/04
2005MY Key and Remote Transmitter New Vehicle Check-In Procedure	08/04
Non-Aero Cross Bar Kit	09/04
Sub-Woofer Wiring Harness Re-Routing	11/04
Engine Block Heaters	11/04
Immobilizer Information.....	12/04
Immobilizer Registration & Cell Phones	12/04
2005MY Legacy Air Filtration Retrofit Kit.....	04/05
Don’t Get Alarmed.....	05/05
Keyless Remotes.....	06/05
2005MY Legacy & Outback Air Filter Installation	07/05
Navigation Screen Removal for Subaru B9 Tribeca.....	07/05
B9 Tribeca Special Edition 2005 (Accessory Information)	07/05
Immobilizer Security Codes	08/05
False Shock Sensor Activation.....	08/05
B9 Tribeca False Alarm Activation.....	10/05
2006MY Legacy/Outback Impact Sensor Installation.....	11/05
EC Mirror Configuration & Application	01/06
Auto-Dimming Compass Mirror (P/N H501SAG100)	03/06

15-Accessories

2006MY Forester Impact Sensor Adjustment.....	03/06
Forester Crossbar Noise	04/06
Keyless Entry Remote Inoperative	05/06
Navigation Display Illumination in Cold Weather.....	05/06
2006 Immobilizer Component Replacement Guide	07/06
XM Satellite Radio Installation Instructions	08/06
Immobilizer Code Requests	11/06
“Teaching Codes” With an Immobilizer System.....	11/06
Special 2007MY Issue: B9 Tribeca Accessories	12/06
XM Satellite Radio “Re-Pinging”	01/07
Horn Beeps Erratically When Using RES System	01/07
NAV System Software Update Availability	03/07
Immobilizer Programming & RES Parts Information	03/07
Immobilizer Interface Programming	03/07
Remote Engine Start System- Start Attempt Failure	04/07
OnStar Analog System Phase-Out Information	05/07
2007-08 MY Remote Engine Start Information	07/07
Remote Engine Start Programming Problems	08/07
Sirius Satellite Radio Diagnostic Flow Chart.....	08/07
2008 MY Impreza Outback Sport & 5-Door Roof Rack Accessory Cross Bars.....	09/07
NAV / Aftermarket RES System Interference	09/07
Satellite Radio Diagnosis Quick TIP	09/07
Immobilizer “Invalid Teaching Code” Message.....	10/07
2008 M/Y Impreza Accessory TIPS	10/07
Understanding the Security System Indicator Light	11/07
RES System “Quick TIPS”	12/07
More Immobilizer Helpful Hints	01/08
Tribeca Crossbar Rattling Noise	01/08
Erratic Horn Operation	02/08
Audio System Upgrades: XM / Sirius / iPod Interface	03/08
Important Information Regarding The iPod Interface.....	03/08
RES Troubleshooting Guides	03/08
Dealer Accessibility to Immobilizer Security and Key Codes.....	04/08
2009 MY Forester Accessory Installation TIPS.....	05/08
Impreza Shock Sensor Installation.....	07/08
Immobilizer Teaching Codes, 2005-09, Breaking the Code	07/08
Remote Engine Start Troubleshooting Guides	08/08
2009 M/Y Forester Wheel Arch Molding Installation Guide.....	08/08
2009 M/Y Forester Puddle Light Connectors	09/08
Quick Tip: Hands-Free Installation, 2009 M/y Forester & Impreza	09/08
Are You NOT Hearing Voices?.....	09/08
Reminder: RES Kits Are Not Interchangeable.....	10/08
2009 M/Y Forester Trailer Hitch / Arch Molding Information	10/08
iPod Interface Information, 2008-09 MY Impreza & 2009 M/Y Forester.....	11/08
Immobilizer Code / Subaru Lock Info Site (SLIS) Information	11/08
2009 Forester Satellite Radio-Equipped Tuner Clarification	11/08
iPod Interface Charging Information	12/08
Back-Up Sensor False Alarms, 2008-09 Tribeca.....	12/08
Low Speaker Volume, 2008 M/Y & Later Impreza & Forester	12/08
Accessory Bluetooth “No Caller ID” Message.....	02/09
Audio / NAV Unit Removal Precautions	03/09
RES Antenna Ring Replacement Information	04/09

15-Accessories

2008-09 M/Y Impreza & 2009 M/Y Forester Wind Noise When Using Ski Carrier.....	04/09
Revised Impreza Roof Rack Crossbar	05/09
2010 M/Y Legacy & Outback Keyless Entry Inoperative.....	07/09
2010 M/Y Legacy & Outback Denso A/C Compressor Warning.....	08/09
iPod Charging Information	08/09
2010 M/Y STI Satellite Radio Information	09/09
2010 M/Y Legacy & Outback RES Reminders	09/09
2010 M/Y Tribeca Radio Removal w/ Center Dash Speaker.....	10/09
2010 M/Y Tribeca Back-Up Sensor Kit Applicability.....	11/09
2010 M/Y Legacy Sedan Erratic Alarm Activation	11/09
Navigation Discs, There IS A Difference!	12/09
Teaching Codes... A Reminder	01/10
Remote Engine Start Programming	01/10
Remote Keyless Entry Fob Supersession	02/10
2.5L Accessory Block Heater Installation Precaution	03/10
2007 - 09 RES Performance Issues in Cold Weather	03/10
Electrical Problem? Check That Compass Mirror Harness	03/10
2001 - 04H6 A/C Compressor Short-Cycling Reminder	04/10
Keyless Entry Inoperative After Starting Engine with RES.....	04/10
Decreased Radio Volume in Reverse.....	05/10
Satellite Radio Artist / Song Information Not Scrolling	05/10
Helpful Bluetooth Information and FAQ's.....	06/10
2011 M/Y Legacy / Outback Bluetooth Microphone Inoperative.....	07/10
Excessive A/C Pressures	07/10
Remote Engine Start (RES) Troubleshooting Reminder	07/10
2009 - 10 Forester 6 CD Changer Audio Unit Information.....	07/10
No or Reduced Sound from Rear Speaker Concerns.....	08/10
Thule Cargo Box Replacement Keys and Lock Cylinders	08/10
2010 - 11 M/Y Outback Rocker Trim Removal.....	08/10
RES Service Kit Reminders.....	09/10
2011 M/Y Impreza Bluetooth / Subwoofer Interference.....	09/10
Mobile Internet Installation Information.....	09/10
Media Hub Installation Reminder	09/10
TomTom Navigation System Information.....	11/10
Deformed Cargo Mats.....	11/10
2011 M/Y Forester Block Heater Installation Instruction Change	12/10
Navigation "Hard Keys" Flashing / Screen Issues	12/10
RES System Key / Remote Registration Information	12/10
Kenwood Navigation System Troubleshooting Guide Released.....	12/10
Aftermarket GPS Signal Interference Issues.....	12/10
2011 Legacy / Outback Revised Dash Speaker Grilles.....	01/11
Sunroof Motor Replacement Precaution.....	01/11
Updated RES and TomTom Troubleshooting Guides.....	01/11
Updated Subwoofer Harness Now Available	02/11
2011 M/Y Outback Compass Mirror "Lock-Up".....	02/11
No sound Heard When Using Bluetooth.....	03/11
No Sound Output from the Audio Unit.....	04/11
Crackling Sound from the Speakers w/ Key off.....	04/11
Radio Volume Changes by Itself While Driving	04/11
iPod Scrolling With TomTom Audio System	05/11
Block Heaters and DTC P0126.....	05/11
Panasonic Audio Unit Exchange Procedure Change.....	06/11

15-Accessories

Tribeca Rear A/C Inoperative or Poor Performance	07/11
Rattling Noise from Right Side of Engine	07/11
Troubleshooting Guides on STIS.....	07/11
2011 M/Y Impreza, Crank / No Start, Security Light Flashing	08/11
Bluetooth Connection Concern, Can You Hear Me Now?	09/11
Bumper Corner Molding Installation Information	09/11
Blank or “White Screen” Navigation Display.....	09/11
Use of Aftermarket Engine Under-Covers.....	11/11
Engine Block Heaters and DTC P0126 (Updated).....	11/11
2012 M/Y Impreza Immobilizer Changes	01/12
2010-11 M/Y Legacy / Outback Bluetooth Inoperative	01/12
2012 M/Y Impreza Audio Unit Exchange Information	01/12
2012 M/Y Impreza Remote Engine Start Programming Information.....	01/12
Rear Seat Entertainment Troubleshooting and User Guides	02/12
2010 and Later (Non-Interface) RES Diagnosis, Don’t Overlook This Step	02/12
2012 M/Y Impreza RES Key Fob Flashing.....	03/12
Fujitsu-Ten Navigation Units and SD Cards- Important Information.....	04/12
2010-12 M/Y Outback Cargo Mat Precaution.....	04/12
Revised Home-Link Mounting Adapter	04/12
Fujitsu-Ten Navigation Screen Display	05/12
2013 BRZ Antitheft Security/Alarm System Activation.....	07/12
Push Button Start Vehicles Equipped With Remote Engine Start	09/12
Accessories and Eyesight	10/12
2013 Smart Engine Start	10/12
Resources For XM Traffic Inquiries/Concerns	11/12
Bluetooth Information.....	12/12
13MY Legacy/Outback Navigation Volume Adjustment.....	01/13
Wheel Locks.....	01/13
Voice Clarity	03/13
F-10 Diagnostics.....	03/13
Voice Recognition	03/13
2014 Forester and 2013 Legacy Keyless Access and Keyless Entry	05/13
Navigation Voice Guidance	05/13
2014 Forester Speaker Kit Installation.....	05/13
F-10 Audio/Navigation Units-No power or Display.....	08/13
Major RES (Remote Engine Start) Differences 2007 to 2014	09/13
HomeLink Mirror Programming Information.....	01/14
2010-14 Outback Rear Bumper Under guard Accessory Reminder	03/14
2015 Legacy and Outback Keyless Entry Audible Signal Feature	08/14
2015 Legacy/Outback XM Reverting to Preview Channel.....	11/14
2015 Legacy/Outback, Starlink , iHeart Radio Application Information	12/14
Damaged USB Ports.....	02/15
Selectable Run Time for 2015 Remote Engine Start.....	03/15
Remote Engine Start (RES) Inoperative, No Response from Remote on Push-Button (Smart) Start Models	05/15
Use of Aftermarket Accessory Engine/Fuel Economy Monitors	07/15
Subaru STARLINK telematics Retailer PDI Process.....	08/15
Gen 1 F10 Navigation System-Red Light Alert Function.....	08/15
2015MY Legacy & Outback, GPS Signal Loss w/F10 Navigation System	10/15
Accessory Floor Mat Reminders and Precautions.....	11/15
Accessory Bumper Cover/Installation Tips and Best Practices.....	11/15
Identifying Fujitsu-Ten Navigation Units	11/15

15-Accessories

New F-10 Gen 2.1 Audio/Navigation System and Siri	11/15
Why Do My Outside Mirror Approach Lights Appear Green.....	01/16
Accessory Door Edge Guard Removal Process	03/16
Bluetooth Operation and Diagnosis	04/16
Clarion Audio Units and Audiobook CD's	04/16
Audio/ Navigation Head Unit Quick Reference Information	04/16
2013 WRX or STI Special Edition Graphics.....	05/16
Door Edge Guards / Installation Tips and Best Practices.....	05/16
Auto Dimming and Home Link Accessory Mirror Wiring Harness Troubleshooting Reminder.....	07/16
Microphone Not Working? Check the Telematics System.....	07/16
2017 Forester Telematics Fuse Change Information	09/16
Keyless Access with Push Button Start Vehicles-Erratic Beeping When Entering the Vehicle	09/16
Long Range Remote Start FAQ.....	09/16
RES Inoperative? Check the RES Antenna	11/16
Display Audio (Non Navigation) Clock Not Synchronized	12/16
No Back Up Camera After Radio Removal	12/16
Clock Settings	12/16
2017 Auto-Dimming Outside Mirror Limited Movement.....	01/17
2017MY Forester Wheel Arch Molding Installation	01/17
2017 MY Impreza, Remote Engine Start (RES) Remote Fob Registration Tips.....	02/17
RES Hood Switch.....	02/17
2017MY Impreza Audio Unit Stays Powered Up After Key Off ... Or Does It?	02/17
2017 MY Impreza Remote Engine Start (RES) Time-out Function	02/17
2017MY Impreza- Serial Numbers On Gen 3 Harman Audio Units.....	03/17
2017MY Impreza Key Start RES Tips.....	03/17
Bluetooth Concerns?.....	05/17
Does this Accessory work with this car?	05/17
LED Lighting	06/17
Combination Meter Replacement	07/17
Eyesight Programming	08/17
Long Range RES Quirks.....	08/17
Eyesight Diagnostic Tips	09/17
Iphone Contact Options	10/17
Navigation and Head Unit Diagnosis	10/17
New Questionnaire for Harman Gen 3 Audio/Navigation concerns.....	11/17
Long Range RES Transmitter Programming	12/17
2017 and Later Impreza, Inoperative Long-Range RES Remotes (Fobs).....	01/18
Remote Engine Start Hood Switch Installation Review for 2017-2018MY Impreza/2018MY Crosstrek Models..	02/18
Thule Roof Rack Wind Noise Complaints	03/18
2017MY+ Impreza/Crosstrek (Turn Start) Remote Engine Start Registration	04/18
Remote Start Quick Reference	04/18
2014-2018MY Forester, Rear-View Mirror Removal Helpful Hints.....	05/18
2014 Keyless Access with Push Button Start Vehicles – Erratic Beeping when Entering the Vehicle.....	05/18
Air Conditioning Season is Here	06/18
Contact Pictures and Head Units.....	06/18
Harman Version 4 Application.....	08/18
DCM Information	08/18
Combination Meter Replacement	09/18
Fujitsu/Denso 10 iPhone Contact Picture Display – Update.....	10/18
Sirius XM List and Voice Tuning Concerns on Gen 2 & 2.1 Denso (D10) Audio Units.....	10/18
2019MY Impreza/Crosstrek Remote Engine Start (Key Start) – Control Module Installation	10/18
Air Conditioning Leak Revisited	11/18

15-Accessories

2019 Forester Remote Engine Start Changes and Precautions.....	12/18
2019 Impreza Sport Remote Engine Start Climate Control Settings	12/18
Reporting Inaccurate Navigation Map Data.....	01/19
Unexpected / Abnormal Stop While Operating Remote Engine Start	01/19
19MY Remote Engine Start – Push Button Start	02/19
Use of Aftermarket Accessory Engine / Fuel Economy Monitors	03/19
Basic Diagnostics for Remote Engine Start (RES) Systems	03/19
Testing and Diagnosis of the Telematics Wifi Hotspot and Appointment Scheduler.....	03/19
How to End Speaker Output Check when Using SSM	04/19
Telematics Operational Concerns Accompanied by DTC B2A15.....	05/19
Harman Audio / Navigation System Concerns.....	05/19
Harman Audio Unit Phonebook Contact Limits	07/19
2015 to Current WRX/STi Popping Sound After Installing Accessory Subwoofer.....	07/19
Updated Infotainment “Conditions” Information	08/19
Homelink Mirror Programming Information.....	09/19
Swapping Electrical Components: The Hardest Lessons Learned are Usually the Most Expensive	09/19
Telematics Subscription Error Codes 202 and 204.....	09/19
Telematics RES Feature Inoperative and Revised B2A16 Diagnostics	09/19
2020 Legacy & Outback RES Fob Programming Procedure	10/19
2020 Legacy & Outback Immobilizer Registration Process TSB 15-246-19R.....	10/19
Speed Volume Control	10/19
Updated Infotainment “Conditions” Information	11/19
2020MY Legacy & Outback New Immobilizer Registration Procedures	11/19
2020MY Legacy and Outback, DTC U0254	12/19
Remote Engine Start (RES) Run Time	03/20
Review of and Additional DTC B2A15 Telematics Information	04/20
Updated Infotainment “Conditions” Information	04/20
Incorrect Operation of Audio Unit After Rockford Fosgate Upgrade Installation	05/20
A/C and Heat Conditions: Use of Recirculation / Recirc Button.....	05/20
DTC Code B2253 - Damaging a Speaker Coil due to the Electric Current to the Speaker Coil	06/20
Telematics – Attention to the Details Can Insure a Smooth DCM Replacement	07/20
Updated Helpful Infotainment Operational Tips.....	07/20
Remote Engine Start/ Power Rear Gate Inoperative on Push to Start Vehicles	08/20
Starlink App Soft Key Grayed Out	11/20
STARLINK Update – Retirement of the 3G Cellular Network	12/20
Wireless Phone Charging Accessory	12/20
Remote Engine Start (RES) – No Start After Registration, MY20+ Legacy/Outback or MY19+ Impreza/ Crosstrek (Key Start)	01/21
Homelink Mirror, No Operation with Key Off.....	02/21
Failed RES: Reference Error Code SER-4357.....	02/21
CP1 software version verification.....	02/21
Blind Spot Detection Disabled, No DTCs found	03/21
CP1 Panel and Steering Switch, Knob Switch Checks	03/21
Gen 4 CP1 Denso – Bookmark Feature	04/21
Roof rail usage/stowing on 2020+ Outbacks	06/21
Gen 2: Denso tech, SXM inoperative after updating.....	06/21
Gen 4: Denso CP1 Updating and initialization Screen reminder.....	06/21
Gen 4 Denso CP1 – Volume adjustment is not available, and audio is not playing after reboot	06/21
Gen 3, 3.1 and 3.1 alpha Harmon and Gen 4 Denso CP1 – Prevent Pandora application from automatically launching when connecting phone to vehicle	07/21
Gen 3, 3.1 and 3.1 alpha Harmon and Gen 4 Denso CP1 – Check for conflicting accessories prior to performing a software update via USB Port	08/21

16-Automatic Transmission

Gen 3 Bluetooth streaming stuttering issue update AKA BT Skipping with Apple watch paired	08/21
Apple CarPlay Connections	09/21
3G Sunset Video Announcement, STAR-U Training	09/21
Ascent Wireless Charger Installation, White Shifter Lever Rod Orientation.....	09/21
Auto Start Stop Inoperative or Automatically Disabled at Engine On.....	10/21
Aftermarket Accessories causing DTCs, Immobilizer concerns and Inoperative Systems	11/21
Harman Bluetooth voice commands and Contact Emojis	11/21
B2255 and B2256 misdiagnosis and Diagnostic changes.....	11/21
2022 BRA Auto-Dimming Homelink Mirror Inoperative	12/21
DTC P0116 Setting with Engine Block Heater Use.....	12/21
2022MY Forester, HVAC Gesture Control	01/22
GEOTAB, Fleet Tracking Device	02/22
Keyless entry Inoperative & Turn-Key Immobilizer Programming Inoperative, Similar Connectors.....	02/22
2022 WRX CID Identification	03/22
Determining a Cockpit Information Display Failure	03/22
Poor Bluetooth Quality Concerns	03/22
Generation 4 Eyesight Camera Removal and Installation	03/22
The Telematics LED: When green does not mean GO.....	04/22
Charging Cables and Touch Screen Concerns.....	05/22
CP1 Navigation shows the wrong location	05/22
Harman 3.1 Base & Base+ Only, Ghost Image or Double Image.....	05/22
Importance of Inspecting for Aftermakret devices, Check the USB port & LEDs	05/22
Keyless Access Output Volume	06/22
Service Provider Software Information, Infotainment Portal	06/22
Version 4 Eyesight and Immobilizer Registration U1C00	07/22
Telematics TSB/TechTIPS Quick Reference Guide.....	09/22
STARLINK App Soft Key Grayed Out Revisited	10/22
Gen 2vs Gen 3 Telematics, what's the difference? BIG DIFFERENCE!	12/22
CP1.0/1.5 Software Version Verification	01/23
SXM Preset channel logo blank on CP 1.5 equipped vehicles, '23MY Outback/Legacy & Ascent.....	01/23
STARLINK App Will No Longer Be Supported.....	02/23
Eyesight Camera Replacement & Programming UC100, U0146, B28A2, B28A1, U1P07, U1P08,U1C07, U1C08	04/23

16-Automatic Transmission

Metallic Noise on Light Acceleration- 4EAT Equipped Vehicles	05/91
3AT Oil Strainer Screen Deterioration	05/91
4EAT Slow Engagement	06/91
Legacy Transmission Oil Cooler Flushing	06/91
ECVT Transfer Cover Gasket/Erratic 4WD Dash Lamp Illumination	06/91
4EAT Failure After Replacement of Reduction Shaft	06/91
FT4WD Binding On Corners	08/91
ECVT Main Drive Shaft Seal Ring	09/91
Justy ECVT Technical Information Supplement	10/91
Legacy A/T Oil Pump Cover Bolt Torque Clarification	11/91
A/T Pressure Checking Tip	11/91
A/T Thrust Bearing Identification	01/92
Justy ECVT Cable Adjustments	01/92
4EAT Parking Pawl Campaign Full Time 4WD	03/92
4EAT Planetary & High Clutch Parts (L-Series, Legacy, XT, SVX)	06/92
4EAT Servicing & Repairs	06/92
3AT Torque Converter Seal Failures	06/92
4EAT Servicing	07/92
4EAT Transmission Diagnosis Training Material	07/92
All Models with 4EAT, Pump Cover Production Change	07/92
Legacy ATF Filter Replacement	08/92
ATK-50 4EAT Filter Installation	08/92
Legacy and SVX 4EAT Torque Bind Complaints	10/92
Aftermarket Batteries	11/92
All Four-Wheel Drive Vehicles	11/92
Automatic Transmission Rebuilding	12/92
Justy ECVT.....	12/92
4EAT All Wheel Drive Complete Unit Exchange	01/93
4EAT Torque Converter Clutch Always Engaged Causing Engine Stall	02/93
4EAT Auxiliary ATF Filter	02/93
3AT (Lock-Up) Torque Converter Engagement on FWD Loyale	02/93
1990-1993MY All Models With 4EAT Low Temperature Operation	03/93
Modified 4EAT Pump Gasket	04/93
1992MY Legacy 4EAT ATK-50 VIN Range Clarification	04/93
Alternate ECVT Pulley Alignment Formula	04/93
1990MY-1993MY All Models 4EAT Low Temperature Operation Correction to 03/93 Update	05/93
Legacy 4EAT Squeaking Noise from Torque Converter	06/93
Justy ECVT Valve Body Cleaning	09/93
Speedometer Cable Adapter on 4EAT Transmissions	10/93
Duty Solenoid "C" Swapping For Testing Purposes	12/93
3 Speed Automatic Clutch Drum Wear	01/94
AWD Rear Axle Binding	02/94
Legacy Torque Converter Bolt Removal	05/94
High Clutch Seizure/Failure, SVX and Legacy Turbo Service Bulletin 16-58-94	05/94
3-Speed Automatic Differential Rebuilding	05/94
4EAT Gasket and Seal Kit	06/94
3AT Malfunction	08/94
4EAT - No Movement in Any Gear	09/94
'ATF Temp' Indicator Light – 1995MY Legacy	09/94
4EAT Operation – 1995MY Legacy	09/94
1995 Legacy with Apparently Non-Existent Codes From TCU	10/94
4EAT Cold Weather Operation	11/94

16-Automatic Transmission

4EA Shift Problem Diagnostics	12/94
ECVT Loss of Line Pressure	03/95
1995MY 4EAT Vehicle Noise	05/95
1995MY 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
1996MY 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 1995MY & 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
1998MY Subaru Impreza FWD Fuse Holder	11/97
Rear Axle Binding On Turns - (One More Time)	01/98
1999MY 2.2L 4EAT Subaru Legacy Models Harsh Downshifting	09/98
1999MY 4EAT Transmission Operation	10/98
Transmission Repairs or Replacements	04/99
Transmission Control Units (TCU) Part Numbers	09/99
1999MY and Later (Second Generation 4EAT) Trouble Codes.....	02/00
4EAT Torque Bind.....	11/01
Phase 2 4EAT (1999MY to Present) Repairs	03-04/02
4EAT Remanufactured Transaxle Program – A Reminder	08/02
Remanufactured Transmission Paperwork Packets	09-10/02
2003MY 4EAT Differential Drain Plug.....	11/02
2003MY Legacy 2.5GT Sport Shifter Cold Weather Operation	01-02/03
Slope Control Change for 2003-2004MY Vehicles	04/03
2004 Direct AT Control Valve Body Assembly Collection	09/03
(2004 Baja turbo and Forester turbo) Remanufactured Transmission Installations	10/03
Phase II 4EAT Stud Leak Repair.....	11/03
Procedures for Handling Returns/Claims – Remanufactured Transmissions	03/04
Phase 2 4EAT Transmission Characteristics – A Reminder	05/04
2005MY Legacy & Outback AT Models Ring Indicator Removal	08/04
Transmission Information Worksheet.....	08/04
5AT Transmission Removal/Installation Precaution	08/04
2005MY Legacy/Outback AT Models Ring Indicator Removal – Revised.....	10/04
Inspection and Correction Methods of Connector T4/B11.....	12/04
T.S.B. # 16-67-04.....	01/05
Remanufactured Automatic Transmission Core Fluid Draining Process	03/05
WWV-06 Campaign	04/05
TCM Code 45 and the SSM III	01/06
Phase 2 4EAT Transmission Characteristics.....	05/06
2004-2005MY Baja (4AT) Noise on Turns	09/06

16-Automatic Transmission

Package Changes to Remanufactured Transmissions	10/06
5A/T Remanufactured Transmission and “Learning Control”	12/06
Discontinuation of Spin-On ATF Filter	08/07
Direct Control 4AT Transmission Information.....	08/07
More ATF HP Fluid Information	09/07
Performing 5 AT “Learning Control”	09/07
5 A/T Turbine Speed Sensor Precaution	11/07
DTC P0741	12/07
Learning Control Procedure Applicability	03/08
5AT Re-Manufactured Transmission Availability Announcement.....	04/08
Quick Tip: Don’t Forget To Do The Learning Control!	01/09
Legacy / Outback 3.0L 5 A/T Converter Bolts	03/09
DTC P1714 (4AT) TPS Power Supply Circuit	03/09
DTC P0712, AT Fluid Temperature Sensor Low Input, D4AT.....	06/09
2010 M/Y Legacy & Outback Lineartronic™	09/09
5AT Turbine Speed Sensor Reminder	11/09
“Binding on Turns” A Reminder.....	12/10
4EAT Cold Weather Shift Characteristics Reminder	01/11
Servicing the CVT Front Differential Fluid	02/11
A/T Light Flashing but No DTC Stored (DTC P0712); Erratic Shifting Complaint.....	03/11
2011 M/Y Tribeca 5A/T, Flywheel Cover	11/11
DTC P0890 “A/T Self-Shut Relay Diagnosis (Low)”	12/11
CVT Replacement Reminder.....	01/12
2012 M/Y Impreza CVT Valve Body Replacement Information.....	01/12
A/T Shifting Concerns? Measure Those Tires!	02/12
Generation 1 CVT Transmission Servicing.....	02/13
CVT Torque Converters.....	02/14
Cold Weather CVT Operation, Engine RPM, and Cabin Heat.....	04/14
Automatic Transmission Fluid Usage Chart	04/16
Binding On Turns and Other Transmission Issues	11/16
CVT Fluid.....	06/17
Damaged Transmission and Front Differential Cases due to over-torque of fill/drain plugs.....	09/17
Allowable Repairs to CVT Assemblies	10/17
CVT Application and Generation Chart.....	03/18
Torque Converter Relearn	03/18
CVT Repairs	09/18
Service Manual Correction: Rear Transmission Crossmember/Transmission Mount Removal – Impreza and Crosstrek CVT Models	10/18
Vibration After Transmission or Engine Removal	06/19
2020MY Legacy and Outback New CVT Fluid.....	09/19
Transmission Control Module (TCM) Freeze Frame Data (FFD) Block 2.....	06/20
Automatic Transmission Fluid Types.....	10/20
Torque Converter Relearn	11/20
CVT Fluid Identification	11/22

17-SRS Air Bag

17-SRS Air Bag

SVX (SRS) Supplemental Restraining System “Air Bag”	01/92
Legacy Models Equipped With Air Bag	06/92
1989MY-92MY Passive Restraint Seatbelt System	03/93
1993MY Legacy “SRS” Airbag Light Stays On	04/93
1993MY Impreza “SRS” Airbag Light Stays On	05/93
Diagnostic Information for Subaru SRS Systems	12/93
Passive Restraints	04/94
Checking Air Bag Harnesses	09/94
Security System in 1994MY SVX with Dual SRS System	10/94
1995MY 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
De-Powered Air Bags	02/98
All 1998MY Model Air Bag Applicability	03/98
Availability of Retrofit Air Bag ‘On - Off’ Switches	08/98
Subaru Vehicles Equipped with SRS Side Airbags.....	08/00
10 Year SRS Inspections.....	08/00
Diagnosing SRS (Air Bag) Codes.....	10/00
Subaru Vehicles Equipped with SRS Side Airbags.....	07/01
2002MY Impreza SRS Harness Change.....	10/01
2003MY Forester SRS Codes 41 or 42.....	07/03
Air Bag Connector.....	09/03
Service Bulletin 17-09-04.....	12/04
SRS Codes 41 & 42.....	03/05
ODS DTC Code 28 – Spacer Kit.....	04/06
2010 Legacy / Outback Seat Belt Twist.....	03/10
Front Passenger SRS Frontal Airbag (ODS) Indicator Light Information.....	08/11
WQA-37 Forester Rear Center Seat Belt Recall Supplemental Information.....	04/12
WUM-98 Supplier and Date Codes.....	03/20
SRS Air Bag, Rear Seatbelt Chimes	10/21
19-22MY Ascent Airbag connector identification, DTC B1910.....	11/22
Airbag Test Harness Par Number and I/O.....	02/23

18-Service Manual Corrections

18-Service Manual Corrections

Legacy Knock Sensor	09/91
Service Manual Shuffle	12/91
Diagnosing SVX Trouble Code 37 O2 Sensor LH	03/92
Loyale Passive Restraint and 3-Point Seat Belt Timer Locations	04/92
XT6 Electronic-Controlled Motor Drive Power Steering Service Manual Supplement	04/92
Service Bulletin Manual Supplement Volume 12 Correction	05/92
1992MY Legacy Service Manual Correction	10/92
1995MY Subaru Legacy Service Manual Corrections	03/95
1995MY Legacy Service Manual Revision	07/95
1996MY Legacy Service Manual Supplement	09/95
Impreza Service Manual Supplement	12/95
Service Bulletin Manual & Service Helpline Update Supplement	12/95
1998MY 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 & 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
Updated Service Manual Information	02/11
STIS: Help Us to Help You	05/11
WVX-34 Reminder.....	01/13
WQA-37 Information.....	01/13
Errors in Service Manuals, What to Do	12/18
Ascent Sunshade Reinitialization Procedure Clarification	09/19
C1532 Trouble Tree Correction	09/19

19-Special Edition

Air Condition Season	07/20
Combination Meter Replacement	09/20
Escalation Process, Contacting Techline	01/21
Updates to Subaru-U	04/21
Transfer Clutch System Diagnostics Consolidated	12/21
Evaporative Diagnostics & Smoke Testing, ELCM Force test	07/22
Troubleshooting & Identifying USB Types with Techline Recommendations.....	04/23
Interactive & Retrievable Diagnostic Service Manuals (ISM).....	04/23

20-EV (Electric Vehicle)

20-EV (Electric Vehicle)

Solterra DTC's Resulting from Service/Maintenance Activities: P0A1B1F, P0A1C1F, U113B87	08/22
One-Time Use Brake Bolts	09/22
Solterra DTC's Resulting from Service/Maintenance Activities: P0A1B1F, P0A1C1F, U113B87	11/22
Changing Interface Settings for DST-i and DST-010.....	11/22
Solterra Activity Mount Bumper Template part # PT97442230	02/23
Solterra Wheel Hanger	03/23
Solterra AC refrigerant check, use the scan tool!	03/23
Solterra Connect Telematics Diagnosis, DCM Activation & Registration.....	04/23