

SERVICE BULLETIN

APPLICABILITY

ALL SUBARU MODELS

DATE

04-07-92

SUBJECT:

SERVICE BULLETIN LOCATOR INDEX

The following categorized list of Service Bulletins are published in the Service Bulletin Manual Supplements below:

<u>MANUAL</u> <u>VOLUME NUMBER</u>	<u>PART NUMBER</u>	<u>PUBLISHED</u>
VOLUME 9	MSA5T88411	SEPTEMBER 1987
VOLUME 10	MSA5T89411	SEPTEMBER 1988
VOLUME 11	MSA5T90411	SEPTEMBER 1989
VOLUME 12	MSA5T91411	DECEMBER 1990
VOLUME 13	MSA5T92411	OCTOBER 1991

NOTE: A NEW SECTION #17, OCCUPANT RESTRAINT, HAS BEEN ESTABLISHED TO IDENTIFY SEAT BELTS, AIR BAGS AND RESTRAINT SYSTEMS. THE FOLLOWING BULLETINS WILL BE FILED IN THE NEW CATEGORY.

VOLUME #	BULLETIN #	TITLE
12	07-41-89	Replacement of the Passive Seat Belt Limit Switch
Loose	07-46-91	SRS Air Bag Control Unit Replacement

01-GENERAL SPECIFICATIONS, GET READY PROCEDURES, LUBRICATION

VOLUME #	BULLETIN #	TITLE
9	01-100-86	The Federal Motor Vehicle Theft Prevention Standard
9	01-101-86	1987 Service Manual Corrections for Center Diff. Bevel Washers and Air Flow Meter Testing
9	01-102-86	Odometer Labels
9	01-103-87	Service Manual Corrections for 1987 Justy
9	01-105-87	1987Subaru Justy Service and Owner's Manual Corrections
10	01-106-88	Recommended Sealants and Adhesives
10	01-108-88	1988 Subaru Service Manual Corrections for Center Differential Bevel Washers
10	01-109-88	Door/Ignition Key Code Numbers
11	01-110-88	"On Demand" 4WD Towing Precaution
11	01-111-88	PDI Precautions
11	01-112-89	Service Manual Correction and Clarification
11	01-113-89	Trouble Code 52 - Clutch Switch
11	01-114-89	Service Manual Correction - Electronic Control Logic Configuration
11	01-115-89	Service Manual Correction for 1990 Legacy Alignment
11	01-116-89	Service Manual Correction Hydraulic Control Unit
11	01-117-89	Service Manual Addition Fuel Injection System
11	01-118-89	Service Manual Corrections for 1990 Legacy from FHI (I)
11	01-119-89	Service Manual Correction D-Check Mode (Diagnostic Chart)
12	01-120-89	Troubleshooting Procedure for Trouble Code 23 (Pressure Sensor)
12	01-121-90	Fuel Injection System
12	01-122-90	Service Manual Corrections for 1990 Legacy from FHI (II)
12	01-123-90	Removal of Transit Protective Coating
13	01-124-91	Transit Coating Removal Tips
13	01-125-91	Increasing Tire Life
13	01-126-91	Service Manual Corrections for 1991 XT6
13	01-127-91	Service Manual Corrections for 1991 Legacy
13	01-128-91	In-Transit Spark Plug Fouling Protection

02-ENGINE - CYL. HEADS, CRANKCASE, CLUTCH, MANIFOLDS, LUBRICATING SYSTEM ENGINE ACCESSORIES

VOLUME #	BULLETIN #	TITLE
9	02-49-86	Valve Stem Height Measurement
9	02-50-86	Turbocharger Diagnosis
9	02-51-86	Hot Engine Restarting
9	02-52-87	1987 Justy Service Manual Correction
9	02-53-87	Hot Engine Restarting
10	02-54-87	Turbo Engine Knocking Noise
10	02-55-87	Use of Champion Spark Plugs
10	02-56-87	Turbo Engine Knocking Noise
10	02-57-87	Rattling Noise in Left Rocker Panel
10	02-58-88	High Altitude Kit
10	02-59-88	Cold Driveability
10	02-60-88	Service Manual Corrections: 1988 "L" Series Service Manual G139BE2 Dash Pot Adjustment Procedure Revisions
10	02-61-88	Hot Engine Restarting
10	02-62-88	Justy Oil Filter Size Change
10	02-63-88	Oil Level Checking Procedures
10	02-64-88	Intake Manifold Gasket Installation
10	02-65-88	Hot Engine Restarting
11	02-66-88	Intake Boot Label Becoming Loose
11	02-67-88	Proper Procedures for LH Timing Belt Tension
11	02-68-89	Legacy HLA Noise
11	02-69-89	Legacy Engine Oil Level Checking
11	02-70-89	Idle Speed Adjusting Procedure for M/T and ECVT
12	02-71-89	Maintenance Reminder
12	02-72-89	Idle Speed Adjusting Procedure for M/T and ECVT
12	02-74-90	Engine Oil Pan Removal
12	02-75-90	Bleeding Air From the Legacy Cooling System
13	02-76-91	Radiator Replacement Procedures
13	02-77-90	Legacy Cylinder Head R&R, In-Vehicle Procedure
13	02-78-91	Cambelt Timing Tips
13	02-79-91	Legacy Engine Block Modification/A/C Compressor Bracket Mounting bolt Change
13	02-80-91	Legacy Engine Oil Level Gauge
13	02-81-91	2.2L Cylinder Head Resurfacing (Grinding) Specifications - 1991 Legacy Service Manual Correction
13	02-82-91	Modified Valve Cover Gasket
13	02-83-91	Engine Oil Seepage at Cylinder Head or Accessory Mounting Bolts

03-DRIVE TRAIN - TRANSAXLE, AXLE SHAFTS, SHIFTER SYSTEM**NOTE: NO SERVICE BULLETINS WERE ISSUED IN VOLUME 9.**

VOLUME #	BULLETIN #	TITLE
10	03-38-87	Shifter Fork Selection
10	03-39-88	First Gear Disengagement
10	03-40-88	Clutch Cable Adjustment - Revised Procedure
10	03-41-88	Rattling Noise from Manual Transmission Gear Shift Lever
11	03-42-88	First Gear Disengagement
11	03-43-89	2nd Gear Grind
12	03-44-89	Transmission Case Check Balls Leaking ATF
12	03-45-90	Clutch Cable Adjustment (Revised Procedure)
12	03-46-90	First Gear Disengagement
13	03-47-91	Clutch Pedal Assist Spring Falling Off

04-STEERING**NOTE: NO SERVICE BULLETINS WERE ISSUED IN VOLUMES 9, 11, 12.**

VOLUME #	BULLETIN #	TITLE
10	04-04-87	Power Steering Fluid Usage
10	04-05-88	Steering Column Noise
13	04-06-91	Electronic-Controlled Motor Drive Power Steering System Diagnostic Aids

**05-SUSPENSION - ROAD WHEELS AND TIRES, SHOCKS, SPRINGS, TORSION BARS,
CONTROL ARMS, TRAILING ARMS**

NOTE: NO SERVICE BULLETINS WERE ISSUED IN VOLUME 11.

VOLUME #	BULLETIN #	TITLE
9	05-20-86	Service Manual Correction 1987 All Air Suspension
9	05-21-86	Moisture Entering the Rear of the Vehicle
10	05-22-88	Height Control Sub Switch
10	05-23-88	Air Suspension Service Procedure Update
12	05-24-90	Discontinuation of Front Strut Mount Cover
12	05-25-90	Rear Wheel Alignment Adjusting Tips
13	05-26-90	Modified Rear Struts
13	05-27-90	Rear Lateral Link Noise

**06-BRAKES - MASTER CYLINDER, WHEEL CYLINDER, CALIPERS, DRUMS AND ROTOR,
LINING AND PADS, HAND BRAKE**

NOTE: NO SERVICE BULLETINS WERE ISSUED IN VOLUMES 9, 11, 12.

VOLUME #	BULLETIN #	TITLE
10	06-23-87	Subaru XT 1988 Service Manual Corrections
13	06-24-91	Secondary Side Bleeding of A.B.S. Hydraulic Control Unit

**07-ELECTRICAL - BATTERY IGNITION, CHARGING AND STARTING, CIRCUITS, LIGHTS,
SWITCHES AND MOTORS**

NOTE: NO SERVICE BULLETINS WERE ISSUED IN VOLUME 13.

VOLUME #	BULLETIN #	TITLE
9	07-29-86	Injector System Wiring Changes
9	07-30-86	Automatic Antenna Modification
9	07-31-86	Oxidation of Electrical Connector Terminals
9	07-32-87	1985 and 1986 Service Manual Corrections for XT Coupe
9	07-34-87	Common Electrical Engine Ground Locations
9	07-35-87	Trouble Code 46 (Park - Neutral Switch) Intermittent ECS Light Illumination
10	07-36-88	Check Engine Light Intermittent Operation
10	07-37-88	Battery Testing Procedures
11	07-38-88	Electrical Connector Diagnosis and Repair
11	07-39-88	Jump Starting and Quick Charging
11	07-40-89	Antenna Mast Replacement
12	07-41-89	Replacement of the Passive Seat Belt Front Limit Switch
12	07-42-89	Irregular Radiator Fan Operation
12	07-43-90	Battery Testing and Charging Procedures
12	07-44-90	Serviceability of Legacy Combination Switch
12	07-45-90	Engine Ground Connection

08-INSTRUMENT AND CONTROLS - MOTORS, PEDAL ASSEMBLY, CABLES

NOTE: NO SERVICE BULLETINS WERE ISSUED IN VOLUMES 11 AND 13.

VOLUME #	BULLETIN #	TITLE
9	08-19-86	"Speedometer Cable Noise" Addendum to Service Bulletin Number 08-17-86, Release Date 06-10-86
9	08-20-86	The Addition of a Seasonal Wiper Selector Switch
9	08-21-86	Trip Computer Operation
9	08-22-86	Fuel Flap Not Opening
9	08-23-86	Upshift Control System for Automatic Transmissions (KDLH)
9	08-24-87	Digital Dash Removal and Replacement
10	08-25-87	Rear Window Defogger Operation
10	08-26-88	Analog Dash Printed Circuit Board
10	08-27-88	Headlight Switch Service Parts
10	08-28-88	Speed Alarm (Also refer to #08-30-88)
10	08-29-88	Digital Clock Display
10	08-30-88	1986 XT Speed Alarm
12	08-31-89	Legacy Turn Signal Flasher

**09-COOLING, FUEL & EXHAUST SYSTEM - RADIATOR, WATER PUMP AND HOSES,
THERMOSTAT, FUEL TANK & LINES, FUEL PUMP, EXHAUST PIPE,
RESONATOR, MANIFOLD AND MOUNTING**

NOTE: NO BULLETINS WERE ISSUED IN VOLUMES 10 AND 12.

VOLUME #	BULLETIN #	TITLE
9	09-23-86	Exhaust System Noise Diagnosis
9	09-24-87	Front Exhaust Pipe (EPF) and Under Cover Complete Modifications
11	09-25-88	Exhaust "Y" Pipe Identification, Noise Diagnosis, and Rebuild Procedure
13	09-26-91	Non-Turbo Single Wall "Y" Pipe Cover Sets (EPF)
13	09-27-90	Catalytic Converter Recycling
13	09-28-91	Modified Exhaust Cover Sets

10 - HEATING VENTILATION AND A/C SYSTEMS, HEATER CORE & HOSES

VOLUME #	BULLETIN #	TITLE
9	10-45-87	Service and Identification Information
9	10-46-87	Rodents Entering the Heater System
9	10-47-87	Temperature Control Worm Gear Assembly
10	10-48-87	Cooling System Cleaning
11	10-49-88	Fresh/Circulate Air Lever Not Holding Position
11	10-50-89	Heater Gears
11	10-51-89	Compressor Oil
11	10-52-89	V-5 Compressor and A/C System Service Information
12	10-53-89	A/C System Servicing
12	10-54-89	Accessory Air Conditioner Kit SOA332A112
12	10-55-90	Discontinued Shorting Loop for A/C Cut Relay
12	10-56-90	Heater Gears
12	10-57-90	A/C Compressor Inspection
12	10-58-90	Thermoprotector Service Procedure
12	10-59-90	Thermoprotector Testing Procedure Clarification
12	10-60-90	ACC Diagnostic Information
13	10-61-91	Removal and Recycling of Refrigerant R-12
13	10-62-91	Wynn's Justy A/C SOA329A110 and SOA329A112

11-EMISSION SYSTEMS - EXHAUST AND EVAPORATIVE SYSTEMS

NOTE: NO SERVICE BULLETINS WERE ISSUED IN VOLUME 12.

VOLUME #	BULLETIN #	TITLE
9	11-26-86	Operation of U.S. Emission Specification Vehicles in Europe and Their Return to the United States (1980 to 1987 Vehicles)
9	11-27-87	Operation of U.S. Emission Specification Vehicles in Europe and Their Return to the United States (All 1987 Vehicles)
10	11-28-87	Oxygen Sensor Replacement Procedure
10	11-29-88	Trouble Code 44 MPI Fuel System
10	11-30-88	Driveability
11	11-31-88	Operation of U.S. Specification Vehicles in Europe and Their Return to the United States
11	11-32-88	Proper Emission Testing Procedures
11	11-33-88	Oxygen Sensor Replacement Procedure for All Turbo (Superceded) Models
11	11-34-89	Oxygen Sensor Replacement Procedure for All turbo Models
11	11-35-89	Trouble Code 44: Duty Solenoid (Waste Gate Control)
11	11-36-89	Operation of U.S. Specification Vehicles in Europe and Their Return to the United States
11	11-37-89	Preheat Tube
13	11-39-91	Legacy Engine Block Modification/A/C Compressor Bracket Mounting Bolt Change

12-BODY - GLASS, SHEET METAL TRIM, UPHOLSTERY

VOLUME #	BULLETIN #	TITLE
9	12-36-86	Floor Pan Crossmember Bolt Torque
9	12-37-87	Undercoating Procedures
9	12-38-87	Loose Door Mirrors
10	12-39-87	Sunroof Motor Torque Adjustment
10	12-40-88	Power Window Regulator Repair
10	12-41-88	Front Seat Belt Extenders
11	12-42-88	Revised Rewinding Procedure for New Style Tonneau Cover
11	12-43-88	Rear Seat Shoulder Belts
11	12-44-89	Removal of Rustproofing Wax Overspray
11	12-45-89	Modified Door Glass Stabilizer
11	12-46-89	Sunroof Leak Testing and Adjusting Procedures
12	12-47-89	Inner Door Weatherstrip Metal Edge Warping
12	12-48-89	Application of Paint Protective Film - Door Opening

VOLUME #	BULLETIN #	TITLE
12	12-49-90	Squeaking Noise from Door Glass During Operation
12	12-50-90	Loose Upper Door Trim Panel
12	12-51-90	Wind Throb Noise When the Sunroof is Open
13	12-52-91	Rattling Noise of Rear Gate Door on "L" Series Station Wagons

13-PAINT

NOTE: NO SERVICE BULLETINS WERE ISSUED IN VOLUME 13.

VOLUME #	BULLETIN #	TITLE
9	13-41-86	1987 Paint Information
9	13-43-87	1987 Paint Formulas
9	13-44-87	Bumper and Grille Painting Procedures
9	13-45-87	1988 Paint Formulas
10	13-46-87	Paint Information for Code Number 891, Pearl White Mica
11	13-47-88	1989 Paint Formula Information
11	13-48-89	FHI Rustproofing Equivalents for U.S.A.
11	13-49-89	Pearl White Mica Incorrect Paint Code/New Mica White
11	13-50-89	1990 MY Paint Formula Information
11	13-51-89	Code Number 075 Mica White Paint Formula Information
12	13-52-89	Anti-Chipping Coat/Stone Guard Coating
12	13-53-89	Code Number 075 Mica White Paint Information Update
12	13-54-89	Paint Formula Information
12	13-55-89	Paint Code Update
12	13-56-89	Location of the Vehicle Paint Code
12	13-57-89	Paint Peeling from the Lower Radiator Support Panel
12	13-58-90	Bumper Trim and Side Body Moulding Paint Formulas

14-SPECIAL TOOLS - APPLICATIONS, MODIFICATIONS

VOLUME #	BULLETIN #	TITLE
9	14-09-87	Power Steering Rack Repair Tool Part Number 926390001
10	14-10-88	Special Tool Adaption for Titania O2 Sensor Removal
10	14-11-88	Torsion Spring Tool P/N SOA443F400 Update
11	14-12-88	Usage of the Select Monitor Kit P/N 498307000 on 1989 Vehicles
11	14-13-89	On-Car Fuel Injector Cleaning
12	14-14-89	Select Monitor Warranty Exchange Program
12	14-15-89	System Check Unit Availability
12	14-16-90	Correction to Application Chart
13	14-17-91	Electrical Connector Tools and Service

15-ACCESSORY PARTS

VOLUME #	BULLETIN #	TITLE
9	15-31-86	Line Installed Cruise Control Test Procedures
9	15-32-86	1987 Accessory Product Changes/Revisions
9	15-33-86	Accessory Cruise Control Test Procedures
9	15-34-86	Matsushita Compressor Vane Noise
9	15-35-87	Accessory Justy Air Conditioning SOA332A105
9	15-36-87	F.I.C.D. Adjustment for 1987 Justy Air Conditioned Vehicles
9	15-37-87	Wheel Weight Application, Identification and Vendor Information for Accessory Wheels
9	15-38-87	A/C Compressor Bracket Made by Wynn's Climate Control (LoneStar)
9	15-39-87	Accessory Rear Deck Rack SOA367F108/109 Product Improvement
9	15-40-87	Rear Deck Rack Fulcrum Extension
9	15-41-87	Accessory Cruise Control
9	15-42-87	Accessory A/C for Justy SOA332A105
9	15-43-87	Accessory Cruise Control Parts/Service Manual
9	15-44-87	Accessory Air Conditioning (SOA332A106)
9	15-45-87	Installation on 4 Speed Automatic Transmission (4EAT)
10	15-46-87	Accessory EQ Deck, SOA333E130 Noise Reduction
10	15-47-87	Cruise Control Kit SOA386C104 Application to 1988 Vehicles
10	15-48-87	Accessory Hitachi Air Conditioning Amplifier Sub Harness SOA332A319
10	15-49-87	1988 Accessory Product Changes/Revisions
10	15-50-88	Parts and Alternate Test Procedure Information for the Accessory Cruise Control Kit SOA386C105
10	15-51-88	Matsushita Air Conditioning Kit SOA438A107
10	15-53-88	Subaru Security System SOA386R100
10	15-54-88	Accessory A/C Installation - Knee Panel Removal
10	15-55-88	Console Box With Standard Cassette Deck Installation

VOLUME #	BULLETIN #	TITLE
10	15-56-88	Port Installation of the SOA333D116 Combinatio Cassette and AM/FM Radio
10	15-57-88	Accessory Cruise Control Adaptability
10	15-58-88	Hitachi Compressor Clutch Wire Length
10	15-59-88	1988 Panasonic "O" Ring Modification
10	15-60-88	OEM Panasonic A/C Relay/Change
10	15-61-88	Size Modification of the A/C Hi Pressure-Discharge Service Valve
11	15-62-88	Panasonic ETR Radio Used in Combination with Clarion EQ Cassette Deck
11	15-63-88	Mudflap Installation Procedure
11	15-64-88	Subaru Security System Change
11	15-65-88	Center High Mount Stop Lamp (CHMSL) Gasket Used During Accessory Rear Deck Rack Installation
11	15-66-89	Clock/Radio Memory Wire
11	15-67-89	Mudflap Installation Procedure Addendum to Service Bulletin 15-63-88 Dated 10-10-88
11	15-68-89	Accessory Changes/Revisions
11	15-69-89	Justy A/C Hose Protector Instructions
11	15-70-89	Factory ETR Radio Removal and Reinstallation
11	15-71-89	Panasonic ETR Radio and Clarion E.Q. Cassette Deck Incompatibility
11	15-72-89	Connecting the Memory Circuit
11	15-73-89	Accessory Cruise Control (SOA986C105) Installation
11	15-74-89	Use of Portable Compact Disc Players with the Factory ETR Radio
12	15-75-89	Trouble Shooting Tips for Accessory Air Conditioning (3SPD and 4EAT equipped models)
12	15-76-89	Use of Portable Compact Disc Players with the Factory ETR Radio
12	15-77-89	Roof Rack Installation Tool
12	15-78-89	Legacy Cruise Control Installation Tips
12	15-79-89	Radio/Cassette Deck "Popping" Noise
12	15-80-89	Clock and ETR Radio Memory Connector Location
12	15-81-90	Accessory Foglight Installation Supplement
12	15-82-90	Panasonic 80 Watt ETR and Clarion Accessory CD Player (SOA333E160) Installation Update
12	15-83-90	Power Antenna Mast Replacement
12	15-84-90	Security System Operation
13	15-86-91	Legacy Cruise Control Installation/91MY Manual Transmission
13	15-87-91	Evaporator Case Modification for Installation
13	15-88-91	Legacy Engine Block Modification/A/C Compressor Bracket Mounting Bolt Change
13	15-89-91	Security System Supplemental Instructions
13	15-90-91	SVX Security System Precaution
13	15-91-91	Subaru Audio System Diagnostic Procedures
13	15-92-91	Weak/Noisy AM Radio Reception, When Receiving Distant Stations

16-AUTOMATIC TRANSMISSION

VOLUME #	BULLETIN #	TITLE
9	16-26-87	Proper Operation of 4EAT Gear Shift Lever
10	16-27-87	Automatic Transmission Control System
10	16-28-87	Proper Operation of 4EAT Gear Shift Lever
10	16-29-87	Automatic Transmission Control System
12	16-30-88	3 Speed Automatic Transmission Gasket/Seal Kit
11	16-31-89	Extension Case Rear Oil Seal Installation
11	16-32-89	Electromagnetic Clutch Rattle Noise
11	16-33-89	Valve Body Disassembly and Assembly
11	16-34-89	Alternate ECVT Adjustment Formula and Procedure
12	16-35-89	4 Speed Automatic Transmission Torque Converter Installations
12	16-36-90	4EAT Slow Engagement
12	16-37-90	Driveline Binding During Sharp Turns at Low Speed
12	16-38-90	Intermittent ECVT Check Lamp Illumination, Trouble Code 21
12	16-39-90	How to Remove Broken Pieces of Dipstick Transmission Assembly
12	16-40-90	4EAT Slow Engagement - Service Bulletin Correction
12	16-41-90	Trouble Code 25 in ECVT Control Unit
12	16-42-90	Flushing the Transmission Oil Cooler
12	16-43-90	Torque Converter Seating
13	16-44-91	4WD Dash Lamp Illuminates When Vehicle Is Not Engaged in 4WD Mode
13	16-46-91R2	Service Bulletin Revision for 3AT Gear Shift Lever Adjustment
13	16-47-91	Manual Valve Stopper Retrofit
13	16-48-91	4EAT Slow Engagement

CAUTION

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

Subaru Service Bulletins are intended for use by professional technicians ONLY. They are written to inform those technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do the job correctly and safely. If a condition is described, DO NOT assume that this Service Bulletin applies to your vehicle, or that your vehicle will have that condition.