

subaru impreza wrx repair manual 99

Subaru Impreza WRX Repair Manual 99: The Subaru Impreza WRX has carved its place in automotive history as a beloved performance vehicle, known for its rally heritage and all-wheel-drive capabilities. For enthusiasts and everyday drivers alike, understanding how to maintain and repair this iconic car is crucial. The Subaru Impreza WRX Repair Manual 99 serves as an invaluable resource for those looking to keep their vehicle in peak condition, providing comprehensive guidance on repairs, maintenance schedules, and troubleshooting techniques.

Overview of the 1999 Subaru Impreza WRX

The 1999 Subaru Impreza WRX was a significant model in the WRX lineage, featuring a turbocharged engine and upgraded suspension. It was designed for both performance and practicality, making it a popular choice among car enthusiasts and everyday drivers.

Key Specifications

- Engine: 2.0L turbocharged flat-four (EJ20)
- Power Output: Approximately 276 horsepower
- Torque: 274 lb-ft
- Transmission Options: 5-speed manual or 4-speed automatic
- Drivetrain: All-wheel drive (AWD)
- Weight: Around 3,000 lbs

These specifications highlight the impressive performance capabilities of the WRX while maintaining the compact dimensions that make it agile on the road.

Importance of a Repair Manual

A repair manual is essential for:

- Guided Repairs: Step-by-step instructions for various repairs.
- Troubleshooting: Identifying common issues and their solutions.
- Maintenance Schedules: Keeping track of regular service needs.
- Technical Specifications: Knowing the right parts and tools for repairs.

Common Repairs and Maintenance Tasks

Owning a 1999 Subaru Impreza WRX comes with responsibilities regarding its upkeep. Below are some common repairs and maintenance tasks that owners may encounter.

1. Oil Changes

Regular oil changes are critical for engine longevity.

- Frequency: Every 3,000 to 5,000 miles or as recommended by the manual.
- Tools Needed:
 - Oil filter wrench
 - Socket set
 - Oil catch pan
 - New oil filter and oil (consult manual for specifications)

2. Brake Maintenance

The WRX's braking system is vital for high-performance driving.

- Brake Pad Replacement:
 - Inspect every 15,000 miles.
 - Replace if thickness is less than 3mm.
- Brake Fluid Change:
 - Change every 2 years.

3. Transmission Service

Proper transmission maintenance ensures smooth shifting and performance.

- Fluid Change: Every 30,000 to 60,000 miles.
- Inspection: Regularly check for leaks or fluid discoloration.

4. Suspension Checks

The WRX is known for its advanced suspension system, which requires regular checks.

- Components to Inspect:
 - Struts and shocks
 - Bushings and ball joints
 - Wheel alignment (should be checked annually)

5. Cooling System Maintenance

Maintaining the cooling system is essential for engine health.

- Coolant Change: Every 30,000 miles or as needed.
- Hoses and Belts: Inspect regularly for cracks or leaks.

Troubleshooting Common Issues

Understanding how to troubleshoot common problems can save time and money. Here are some frequent issues with the 1999 Subaru Impreza WRX and their possible solutions.

1. Check Engine Light

A lit check engine light can indicate various problems.

- Common Causes:
- Faulty oxygen sensor
- Loose gas cap
- Engine misfire
- Solution: Use an OBD-II scanner to diagnose the specific code and address the issue accordingly.

2. Poor Fuel Economy

If fuel consumption is higher than usual, it may be time to investigate.

- Potential Issues:
- Dirty air filter
- Faulty fuel injectors
- Low tire pressure
- Steps to Take:
- Replace air filter.
- Clean or replace fuel injectors.
- Ensure proper tire inflation.

3. Overheating Engine

An overheating engine can lead to severe damage.

- Causes:
- Low coolant levels
- Malfunctioning thermostat
- Leaks in the cooling system
- Immediate Actions: Stop driving, check coolant levels, and inspect for leaks.

4. Unresponsive Clutch

A clutch that doesn't engage properly can hinder performance.

- Symptoms: Slipping, difficulty shifting gears.
- Possible Solutions:
- Check hydraulic fluid levels.
- Inspect clutch cable for wear.

- Consider replacing the clutch assembly if worn.

Tools and Equipment Needed for Repairs

Having the right tools is key to effectively performing repairs and maintenance on your 1999 Subaru Impreza WRX.

Essential Tools

- Basic Hand Tools: Wrenches, sockets, and screwdrivers.
- Specialty Tools:
 - OBD-II scanner for diagnostics
 - Torque wrench for precise tightening
 - Oil filter wrench for oil changes
- Safety Equipment: Gloves, goggles, and a mechanic's creeper.

Where to Find Parts

- Local Auto Parts Stores: Many stores carry common parts for the WRX.
- Online Retailers: Websites such as RockAuto or AutoZone can be useful.
- Salvage Yards: For hard-to-find parts, consider local salvage yards.

Conclusion

The Subaru Impreza WRX Repair Manual 99 is more than just a guide—it's a comprehensive companion for any WRX owner. Through regular maintenance, common repairs, and effective troubleshooting, you can ensure that your vehicle remains reliable and performs at its best. With the right tools and knowledge, you can tackle the challenges of maintaining this remarkable car, keeping it running smoothly for years to come. Whether you're a seasoned mechanic or a novice, the information provided in this manual will empower you to take control of your vehicle's upkeep, preserving its legacy as a performance icon.

Frequently Asked Questions

What are the key features of the 1999 Subaru Impreza WRX repair manual?

The 1999 Subaru Impreza WRX repair manual includes detailed specifications, step-by-step repair procedures, wiring diagrams, and maintenance intervals. It also provides troubleshooting guides for common issues and information on engine tuning and modifications.

Where can I find a digital copy of the 1999 Subaru Impreza WRX repair manual?

Digital copies of the 1999 Subaru Impreza WRX repair manual can be found on websites like Haynes, Chilton, or through online automotive forums. Additionally, some e-commerce platforms may offer PDF downloads or physical copies.

How can the repair manual help with routine maintenance of the 1999 Subaru Impreza WRX?

The repair manual provides a comprehensive maintenance schedule that includes oil change intervals, brake inspections, and fluid checks. It offers detailed instructions for performing these tasks, ensuring that owners can keep their WRX running smoothly.

Is it necessary to have the repair manual for DIY repairs on a 1999 Subaru Impreza WRX?

While not strictly necessary, having the repair manual is highly recommended for DIY repairs. It gives detailed instructions, safety precautions, and specifications that can help prevent mistakes and ensure repairs are done correctly.

What common repairs can be found in the 1999 Subaru Impreza WRX repair manual?

Common repairs detailed in the manual include brake pad replacement, clutch replacement, timing belt service, and electrical system troubleshooting. Each section provides specific procedures and torque specifications.

Are there any known issues with the 1999 Subaru Impreza WRX that the repair manual addresses?

Yes, the repair manual addresses several known issues such as head gasket failures, turbocharger maintenance, and suspension wear. It includes troubleshooting tips and repair procedures specific to these common problems.

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