

ATSG AW55-50/51SN/AF23/33-5/RE5F22A

ATSG AW55-50/51SN/AF23/33-5/RE5F22A Automatic Transmission Repair Manual User Guide

1. INTRODUCTION

This document serves as a comprehensive guide for utilizing the ATSG AW55-50/51SN/AF23/33-5/RE5F22A Automatic Transmission Repair Manual. It is designed to assist technicians and enthusiasts in effectively navigating and applying the detailed information provided within the repair manual for the diagnosis, repair, and overhaul of the specified automatic transmissions. The ATSG manual is an essential resource for understanding the intricate workings of these transmission models.

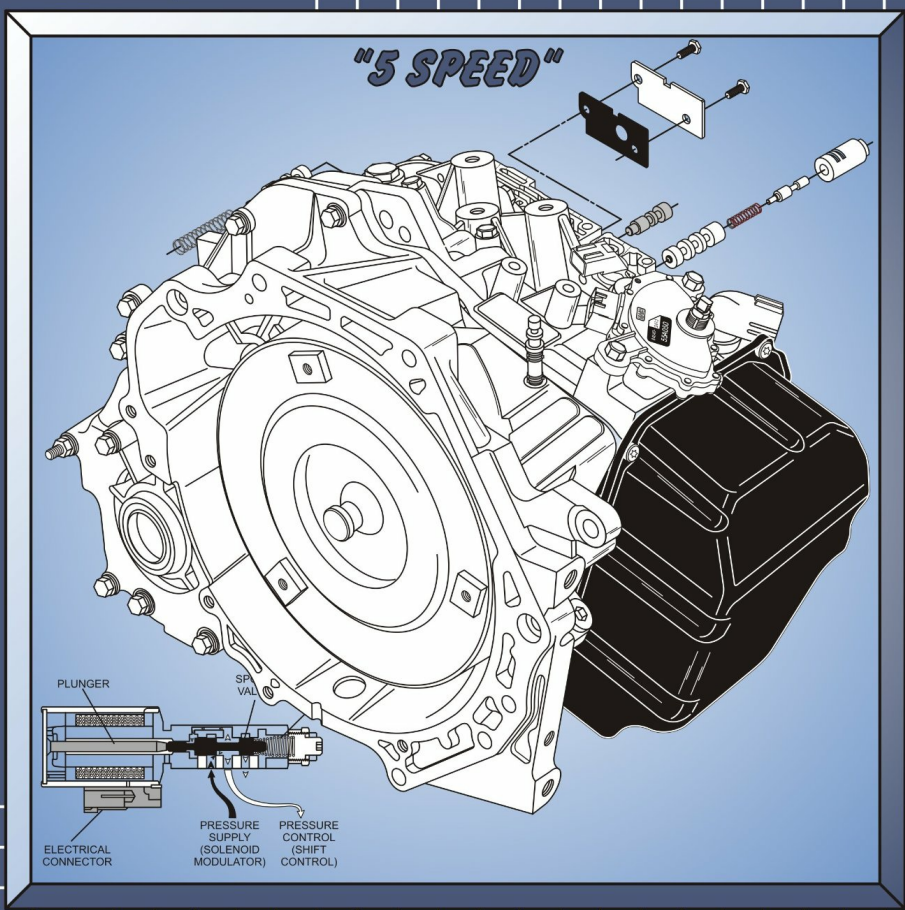
2. UNDERSTANDING THE ATSG REPAIR MANUAL (SETUP)

The ATSG AW55-50/51SN/AF23/33-5/RE5F22A manual covers a range of transmissions used by various vehicle manufacturers, including GM, Infiniti, Nissan, Saab, Saturn, Suzuki, and Volvo. These transmissions are known by different designations such as AF23/33-5, FA 57, RE5F22A, and AW55-50/51SN. Before beginning any work, familiarize yourself with the manual's structure and the specific transmission variant you are working with.



SATURN/GM/SAAB
VOLVO/NISSAN
TECHTRAN™ MANUAL

A A
F W R
2 5 E
3 5 5
/ - F
3 5 2
3 0 2
- S A
5 N



AUTOMATIC TRANSMISSION SERVICE GROUP

Image 1: Front cover of the ATSG AW55-50/51SN/AF23/33-5/RE5F22A Automatic Transmission Repair Manual. This image displays the title and key identifiers of the manual, indicating its comprehensive coverage for various transmission models.

The manual details the transmission's internal components, including three planetary gear sets, three driving friction elements, five holding friction elements, two sprags, and a torque converter with a clutch assembly. It explains how the Transmission Control Module (TCM) monitors inputs to control shift timing, clutch apply, line pressure, and torque converter clutch application.

3. NAVIGATING AND USING YOUR REPAIR MANUAL (OPERATING)

The ATSG manual is structured to provide step-by-step instructions for various procedures. To effectively use the manual:

- **Identification:** Locate sections dedicated to valve body identification, electrical diagrams, and wiring harnesses. These are crucial for correctly identifying components and understanding electrical circuits.
- **Assembly and Disassembly:** Follow the detailed instructions for the assembly and disassembly of transmission components. Pay close attention to torque specifications and special tool requirements.
- **Electronic Controls and Operation:** Review the sections explaining the electronic controls and operational principles of the transmission. Understanding these will aid in diagnosing electronically controlled issues.
- **High-Quality Graphics:** Utilize the high-quality graphics and illustrations provided throughout the manual. These visual aids are designed to clarify complex procedures and component locations.

4. DIAGNOSING AND TROUBLESHOOTING WITH THE MANUAL

The manual includes dedicated sections for diagnosis and troubleshooting. When encountering a transmission issue:

1. **Symptom Analysis:** Refer to the troubleshooting charts that link specific symptoms to potential causes.
2. **Diagnostic Procedures:** Follow the outlined diagnostic procedures, which may include electrical tests, pressure checks, and visual inspections.
3. **Code Interpretation:** If applicable, use the manual to interpret diagnostic trouble codes (DTCs) and guide your repair strategy.
4. **Component Testing:** Instructions for testing individual components, such as solenoids or sensors, are provided to pinpoint failures.

5. DETAILED REPAIR AND OVERHAUL PROCEDURES

For comprehensive repairs, rebuilding, or overhauling the transmission, the manual offers a step-by-step solution. This includes:

- **Overhaul Information:** Detailed instructions for complete transmission overhaul, covering all internal components.
- **Band Adjustment:** Specific procedures for band adjustments where applicable.
- **Torque Specifications:** Critical torque values for fasteners to ensure proper assembly and prevent damage.
- **Shift Kits:** Information related to the installation and adjustment of shift kits, if relevant to the transmission model.

Each step is explained in detail to ensure accuracy and ease of understanding, making complex repairs manageable.

6. SPECIFICATIONS OF THIS MANUAL

Attribute	Detail
Manufacturer	ATSG
Model	AW55-50/51SN/AF23/33-5/RE5F22A
Product Weight	363 g (0.8 lbs)
Product Dimensions	27.94 x 21.08 x 0.76 cm (11 x 8.3 x 0.3 inches)

ASIN

B012GWFQIU

7. SUPPORT AND ADDITIONAL RESOURCES

For further assistance or inquiries regarding the ATSG AW55-50/51SN/AF23/33-5/RE5F22A Automatic Transmission Repair Manual, please refer to the contact information provided within the manual itself or visit the official ATSG website. Additional technical support may be available through authorized ATSG distributors or automotive technical forums.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Are there any alternator-related issues or procedures to be aware of during the service of an ATSG AW55-50/51SN/AF23/33-5/RE5F22A transmission?

The provided documentation for the ATSG AW55-50/51SN/AF23/33-5/RE5F22A Automatic Transmission Repair Manual focuses specifically on the internal mechanics, electronic controls, and hydraulic systems of the transmission itself. It does not explicitly mention the alternator as...

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