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ATSG 6R140W

ATSG 6R140W Technical Manual

Ford Truck TorqueShift 6-Speed Automatic Transmission

Models: F250, F350, F450, F550 (2011-2017)

1. Introduction

This ATSG (Automatic Transmission Service Group) technical manual provides comprehensive, step-by-step instructions and detailed information for the diagnosis, teardown, reassembly, and repair of the Ford 6R140W TorqueShift 6-speed automatic transmission. Designed for technicians and experienced mechanics, this guide ensures accurate and efficient servicing of the transmission system.

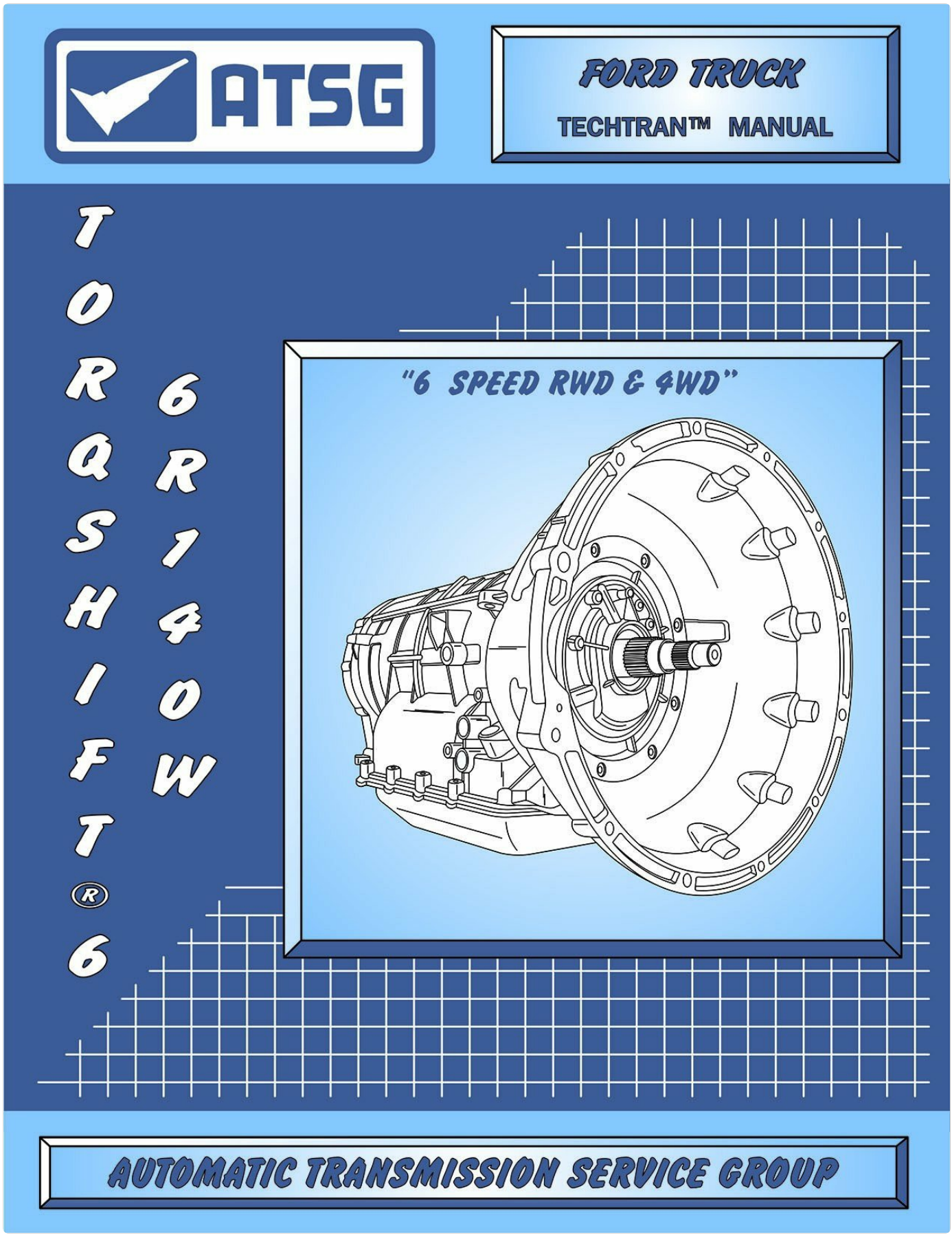


Figure 1.1: Cover of the ATSG 6R140W Technical Manual, illustrating its focus on Ford TorqueShift 6-speed transmissions.

2. Product Overview and Applications

The ATSG 6R140W Technical Manual is an essential resource for anyone working with the Ford 6R140W automatic transmission. It features:

- Highest quality diagrams and charts available in the automatic transmission industry.
- A clear, step-by-step process to guide users through complex procedures.
- Full-color illustrations for tear down and reassembly procedures.

This manual specifically covers the following vehicle applications:

- 2011-2017 Ford F250 (6.2 Liter Gas V8)
- 2011-2017 Ford F250/350 Super Duty (6.2 Liter Gas V8)
- 2011-2017 Ford F250/350 Super Duty (6.7 Liter Diesel V8)
- 2011-2017 Ford F350/450/550 Cab and Chassis (6.2 Liter Gas V8)
- 2011-2017 Ford F350/450/550 Cab and Chassis (6.7 Liter Diesel V8)
- 2016-2017 Ford F350/450/550 Cab and Chassis (6.8 Liter Gas V10)

3. Using the Manual (Setup and Operating)

To effectively utilize this technical manual, ensure you have a clean workspace and the necessary tools for transmission service. The manual is structured to provide a logical flow for various procedures:

1. **Familiarization:** Begin by reviewing the manual's layout and general information sections to understand its organization and terminology.
2. **Diagnosis:** Refer to the diagnostic charts and procedures when troubleshooting transmission issues. These sections provide systematic steps to identify the root cause of problems.
3. **Teardown:** Follow the detailed, step-by-step instructions and accompanying full-color diagrams for safe and correct disassembly of the 6R140W transmission.
4. **Inspection and Repair:** Utilize the specifications and inspection guidelines to assess component wear and determine repair or replacement needs.
5. **Reassembly:** Adhere to the reassembly procedures, paying close attention to torque specifications and component orientation, as illustrated in the full-color diagrams.

Always prioritize safety and consult all relevant vehicle service information in conjunction with this manual.

4. Maintenance and Troubleshooting Guidance

This manual serves as a primary guide for performing maintenance and troubleshooting on the 6R140W transmission. It provides:

- **Preventative Maintenance:** While primarily a repair guide, understanding the teardown and reassembly processes aids in identifying potential wear points during routine inspections.
- **Diagnostic Flowcharts:** Comprehensive flowcharts and diagnostic trouble code (DTC) information assist in pinpointing electrical and mechanical faults.
- **Component Testing:** Instructions for testing individual components and sub-assemblies to confirm their functionality before reassembly.

Refer to the specific sections within the manual for detailed procedures related to fluid checks, filter replacement, and component adjustments.

5. Specifications

Key specifications related to the ATSG 6R140W Technical Manual and its coverage:

Specification	Detail
Manufacturer	ATSG
Brand	ATSG
Model Number	6R140W
Item Weight	6.5 ounces
Package Dimensions	10.94 x 8.5 x 0.39 inches
Date First Available	February 19, 2018

6. Support and Additional Resources

For further technical assistance or inquiries regarding the ATSG 6R140W Technical Manual, please refer to the publisher, ATSG (Automatic Transmission Service Group). Additional resources may be available through their official channels or authorized distributors.

For general information about ATSG products, you may visit theATSG Store on Amazon.

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