

Godspeed LS-TS-HI-0006

Godspeed LS-TS-HI-0006 Traction-S Performance Lowering Springs Instruction Manual

For Hyundai Veloster (FS) 2012-2017

1. INTRODUCTION

This manual provides essential information regarding the installation, specifications, and maintenance of your Godspeed LS-TS-HI-0006 Traction-S Performance Lowering Springs. These springs are designed to enhance vehicle handling and appearance by lowering the ride height.

Please read this manual thoroughly before attempting any installation or modification to your vehicle. Proper installation is crucial for safety and optimal performance.

2. SAFETY INFORMATION

WARNING: Installation of suspension components requires specialized tools and knowledge. Improper installation can lead to serious injury, vehicle damage, or loss of vehicle control. It is strongly recommended that installation be performed by a qualified professional technician.

- Always use appropriate safety equipment, including eye protection and gloves.
- Ensure the vehicle is securely supported on jack stands before working underneath it.
- Never work on a vehicle supported only by a jack.
- Follow all vehicle manufacturer's service manual procedures.
- After installation, a professional wheel alignment is mandatory to ensure proper vehicle handling and tire wear.

3. COMPATIBILITY

These Godspeed Traction-S Performance Lowering Springs (Model: LS-TS-HI-0006) are compatible with the following vehicle:

- **Make:** Hyundai

- **Model:** Veloster (FS Chassis Code)
- **Years:** 2012, 2013, 2014, 2015, 2016, 2017

Verify your vehicle's make, model, and year before proceeding with installation.

4. PRODUCT FEATURES AND SPECIFICATIONS

The Godspeed Traction-S Performance Lowering Springs are engineered to provide improved handling characteristics and a lowered stance.



Image 1: Technical features of Godspeed Traction-S springs, highlighting SAE 9254 Steel construction, cold winding for durability, and design for compatibility with OEM shocks.

Key Features:

- Enhances on-road vehicle performance with quicker turn-in, enhanced steering response, and improved cornering.
- Multi Heat Treated SAE 9254 Wire, Cold Wound to prevent sag over time.
- Powder Coat Finished for corrosion protection.

- Designed to work with OEM shocks; also compatible with aftermarket high-performance shocks.
- Engineered to ensure against rattling, clunking, or rubbing.

Specifications:

Parameter	Front	Rear
Average Drop	1.4 inches (35.56 mm)	1.3 inches (33.02 mm)
Spring Rate	3.1 kg/mm	1.25-2.25 kg/mm (Progressive)



Image 2: The complete set of Godspeed Traction-S Performance Lowering Springs, shown with their product packaging.



Image 3: A clear view of the four Godspeed Traction-S Performance Lowering Springs, ready for installation.



Image 4: A detailed close-up of one Godspeed Traction-S lowering spring, showcasing its construction and finish.

5. SETUP AND INSTALLATION

Installation of lowering springs involves disassembling the vehicle's suspension system. Due to the complexity and safety implications, professional installation is highly recommended.

General Steps (for professional reference):

1. Safely lift and secure the vehicle on a hoist or jack stands.
2. Remove wheels and access the suspension components.
3. Carefully disassemble the existing strut/shock assemblies, using a spring compressor to safely remove the OEM springs.
4. Install the Godspeed lowering springs onto the strut/shock assemblies, ensuring proper seating and orientation.
5. Reassemble the suspension components, tightening all fasteners to vehicle manufacturer's torque specifications.
6. Reinstall wheels and lower the vehicle.
7. Perform a professional wheel alignment immediately after installation to correct camber, caster, and toe

settings.

Failure to perform a wheel alignment can result in premature tire wear and compromised handling.

6. MAINTENANCE

Once installed, these lowering springs require minimal specific maintenance. However, regular inspection of your vehicle's suspension components is recommended as part of routine vehicle maintenance.

- Periodically inspect springs for any signs of damage, corrosion, or fatigue.
- Check all suspension mounting points and fasteners for proper torque.
- Monitor tire wear for any uneven patterns, which may indicate an alignment issue or other suspension problem.
- Keep springs clean from excessive dirt and debris.

7. TROUBLESHOOTING

If you experience any issues after installing your lowering springs, consider the following common points:

- **Unusual Noises (Clunking/Rattling):** This often indicates loose fasteners, improper seating of springs, or contact between suspension components. Re-check all installation points and ensure adequate clearance.
- **Uneven Ride Height:** Verify that the correct springs are installed on the correct corners of the vehicle and that they are properly seated.
- **Poor Handling/Excessive Tire Wear:** This is a strong indicator that a wheel alignment was not performed or was performed incorrectly. A professional alignment is critical.
- **Harsh Ride Quality:** While lowering springs will generally result in a firmer ride, an excessively harsh ride might suggest worn out OEM shocks/struts that are not adequately dampening the spring's movement. Consider upgrading to performance shocks/struts.

For persistent issues, consult with a professional automotive technician.

8. WARRANTY INFORMATION

Godspeed provides a **Lifetime Limited Warranty** on material defects and craftsmanship for the LS-TS-HI-0006 Traction-S Performance Lowering Springs.

This warranty covers manufacturing defects and issues arising from the quality of materials or construction under normal use. It does not cover damage due to improper installation, abuse, accidents, or normal wear and tear.

For warranty claims, please retain your proof of purchase and contact Godspeed customer support or your authorized dealer.

9. SUPPORT

For technical assistance, product inquiries, or support regarding your Godspeed Traction-S Performance Lowering Springs, please contact your product retailer or the manufacturer directly.

Please have your product model number (LS-TS-HI-0006) and purchase information available when contacting support.

10. LEGAL DISCLAIMER

IMPORTANT: These Godspeed Traction-S Performance Lowering Springs are intended for **Off-Road Use ONLY**. It is the responsibility of the installer and user to ensure compliance with all local, state, and federal laws and regulations regarding vehicle modifications.

Godspeed is not responsible for any damages or injuries resulting from the improper use, installation, or modification of this product.