



## Installation Instructions

**ARK Lowering Springs**  
**GT-F and GT-S**  
(LF0703-01 12, LS0703-01 12)  
for  
**Hyundai Veloster (All Models)**

[www.arkperformanceusa.com](http://www.arkperformanceusa.com)

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**Congratulations on purchasing an ARK Performance lowering spring set!** Please read and understand the installation instructions before beginning work on the installation of your new ARK Performance lowering springs. If you do not fully understand the instructions, please give us a call at 909-947-1275 or email us at [info@ARKPerformanceusa.com](mailto:info@ARKPerformanceusa.com)

We recommend that these lowering springs be **installed by someone qualified for this work or by a certified mechanic** with access to the appropriate hand or power tools. It is also recommended that proper jacks and jack stands be used. By installing these ARK Performance lowering springs, you indicate that you have read the installation instructions and you agree with the terms and conditions stated.

It is your responsibility to **follow the installation instructions provided** for this ARK Performance lowering spring set and exercise all necessary safety precautions. ARK Performance assumes no responsibility for damages occurring from improper installation, operation, maintenance, or from incompatibility with other manufacturer's products.

### **Important Information:**

#### **Exclusion of Certain Liability**

1. The manufacturer, importer, and dealer of ARK Performance products hold no responsibility for any incidental damage such as personal injury or any other damages due to improper installation or operation of ARK Performance lowering springs.
2. ARK Performance will not warranty any damages caused by improper installation, use, and maintenance of the ARK Performance lowering springs. The warranty is limited to defects that are recognized by our technical department, this excludes items subject to normal wear. This warranty is void in the case of an accident, modification, improper use, or competition use.
3. Do not install any ARK Performance lowering spring set on a vehicle model for which it was not intended for.
4. Technical specifications of ARK Performance lowering springs and related products are subject to change without notice.
5. Before removing the original springs from your vehicle, please compare the parts that you received with the list of materials provided in the installation instructions. If anything is missing, contact ARK Performance before beginning installation.
6. The instructions for installation should serve as a guideline only, actual installation of the lowering springs may not correspond with the pictures entirely.
7. The process of uninstalling the original springs may vary depending on the existing springs on the vehicle, so please follow the original spring set manufacturer's instructions for removal.

#### **Trademarks**

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#### **ARK Performance website**

Information about ARK Performance lowering springs and related products is available on the ARK Performance website at: <http://www.arkperformanceusa.com/>

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## Contents

- Front Springs— 2
- Rear Springs—2
- \*Orange Springs—GT-F
- \*Gold Springs—GT-S

## Tools Required

- Socket Wrench/Wrench:
  - 10 mm
  - 12 mm
  - 14 mm
  - 17 mm
  - 19 mm
- Socket Wrench Extension
- Lubricant (WD-40)
- Original scissor jack that came with the vehicle or something equivalent to it

## Warning

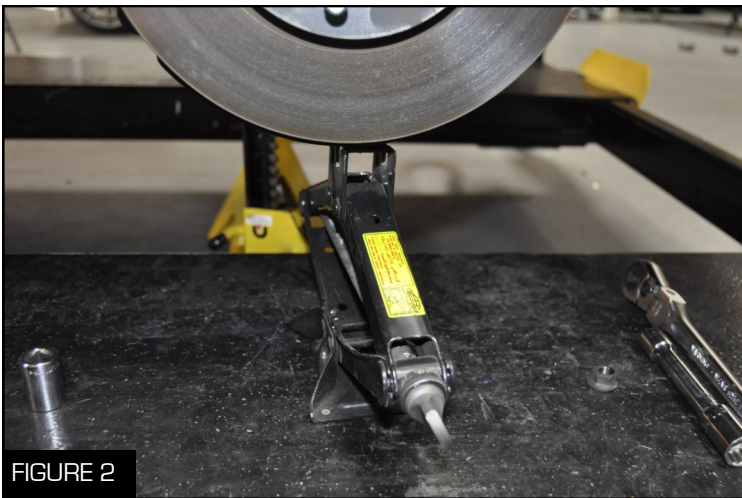
- Before removing the original springs, be sure to read over the installation instructions and fully understand them.
- If any items in the package are missing please contact your authorized dealer before installation.
- We advise you to have an experienced person or certified mechanic install the lowering springs.
- Loosely fasten all nuts and bolts until everything is installed, then tighten them down to the proper torque specs as you align the suspension parts properly.
- These instructions are specific to the 2011+ Hyundai Veloster (All Models). However, please be sure to specify the exact year when purchasing lowering springs.

# Removal of OEM Front Springs



1. Properly jack up the vehicle on flat, level ground and support the vehicle on proper jack stands (Figure 1)

2. Begin with removing the front wheels using the proper socket or key for the lug nuts or wheels locks (Figure 1)



3. Place the OEM scissor jack under the brake rotor to support it before unbolting anything (Figure 2)



4. Unbolt the (3) nuts on the strut tower using a 14 mm socket wrench, per side of the vehicle (Figure 3,4)

## Removal of OEM Front Springs



FIGURE 5

5. Unbolt the end link using a 17 mm socket wrench and move it out of the way (Figure 5)

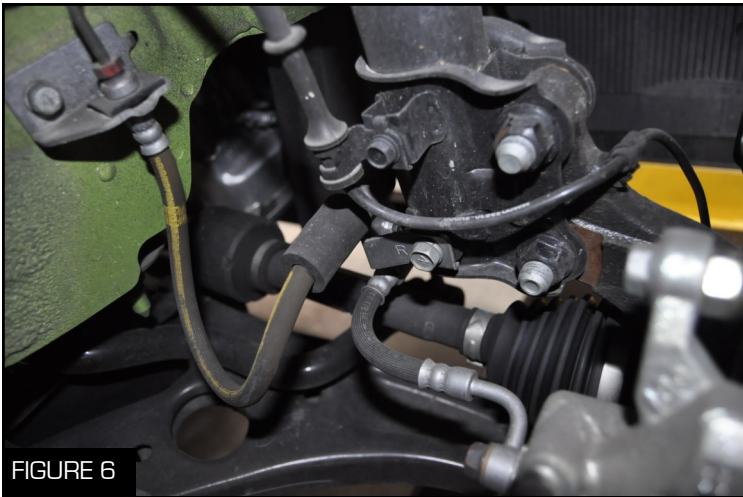


FIGURE 6

6. Unbolt the brake line using a 10 mm socket wrench (Figure 6)

7. Unbolt the bracket under the brake line by using a 12 mm socket wrench (Figure 6)



FIGURE 7

8. Unbolt the top bolt first using a 17 mm socket wrench on the head and a 19 mm socket wrench on the nut, the brake assembly will move at this point (Figure 7)

9. Unbolt the lower bolt using the same tools as the top bolt (Figure 7)



FIGURE 8

10. Remove the strut and spring from the vehicle and then use a 17 mm socket wrench on the center bolt on the top of the strut (Figure 8)

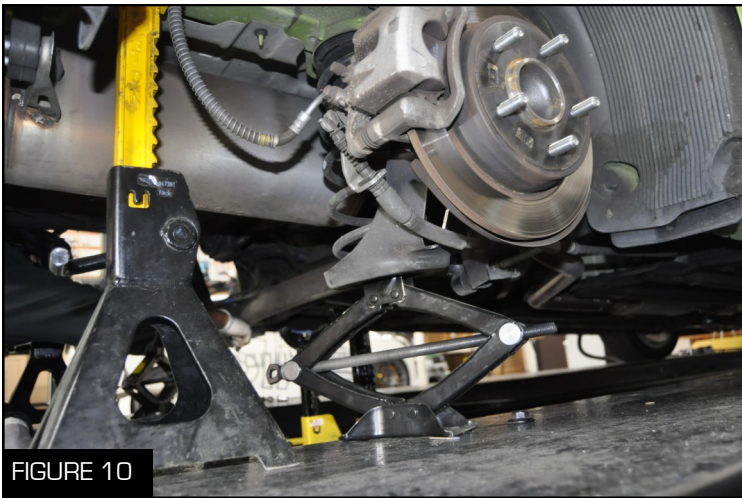
11. Remove the OEM spring from the strut and then put the ARK Performance lowering spring (GT-F/GT-S) on the strut (Figure 8)

12. Repeat the steps in reverse order to install the ARK Performance lowering springs

## Removal of OEM Rear Springs



1. With the vehicle properly on jack stands on flat, level ground remove the rear wheels using the proper socket or key to remove the lug nuts or wheels locks (Figure 9)



2. Place the OEM scissor jack under the suspension assembly to support it before unbolting anything (Figure 10)



3. Unbolt the nut on the strut using a 19 mm socket wrench (Figure 11)



4. Pull the bolt out so that the strut comes free (Figure 12)

5. Slowly lower the jack until you are able to remove the OEM spring, then place the new spring in its place; be sure to align the spring so it seats properly (Figure 12)

6. Follow the instructions in reverse to install the ARK Performance lowering springs



## First Operation/Maintenance

Be sure to check that the wheel lug nuts are tightened down to the proper torque specifications.

Take the vehicle for a test drive and listen for any odd clunking noises or vibrations. If there are any, go back through the installation instructions and be sure everything is properly tightened.

Be sure to take the vehicle to a professional suspension alignment shop to have your vehicle re-aligned after installing ARK Performance lowering springs.

