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## Installation Instructions

**ARK Lowering Springs**  
**GT-F and GT-S**  
(LF0330-0012, LS0330-0012)  
for  
**BMW F30 328i/335i**  
**BMW F32 438i/435i**

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[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
  - 14 mm
  - 16 mm
  - 18 mm
  - 21 mm
  - Torx T30 bit
- Pry Bar
- Clip Remover
- Socket Wrench Extension
- Lubricant (WD-40)
- Spring Compressor
- Floor Jack

## 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 BMW 2012+ F30 328i/335i and 2014+ F32 428i/435i. 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 correct socket or key (Figure 1)



3. Unbolt the sway bar end link using a 14 mm socket/wrench (Torx T30 bit may be needed) (Figure 2)



4. Unbolt the lower bolt that holds the strut in the clamp using the 16 and 18 mm sockets/wrenches (Figure 3)



5. Spray a lubricant on the strut/clamp to make removal easier (Figure 4)

## Removal of OEM Front Springs



6. Use the pry bar to push the clamp apart and let the lubricant soak in (Figure 5)



8. Using the clip remover, take out the clips that hold the rubber cover down over the strut/strut bar (Figure 7)



7. Using the 10 mm, remove the battery cover (do the same thing for driver side) (Figure 6)



9. Remove this clip along the fender as well (Figure 8)

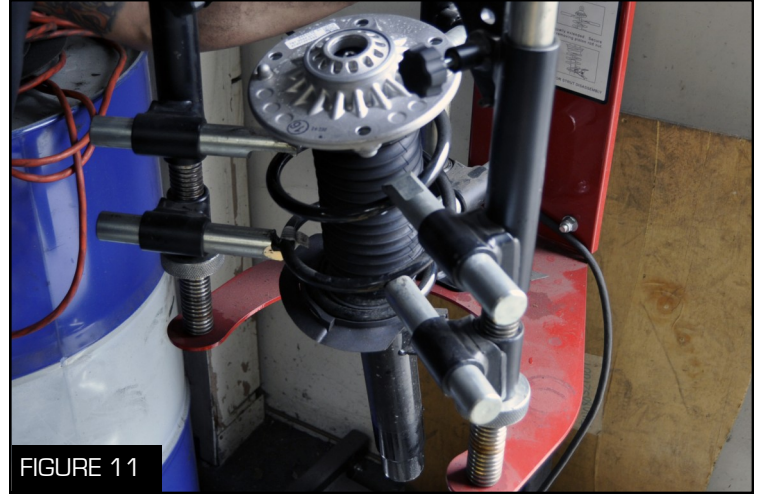
## Removal of OEM Front Springs



10. Using the 14 mm socket wrench, unbolt the strut bar and using the 16 mm socket wrench unbolt the 3 bolts holding the strut in place, and then lower the strut down (Figure 9)



11. Be sure to cover the top of the strut with a towel and then push down on the strut and brake assembly to get the strut out (Figure 10)



12. Be sure to use a spring compressor when removing the OEM spring and when putting the ARK lowering springs on (Figure 11)

13. Follow these instructions in reverse order for the installation of the ARK Lowering Springs

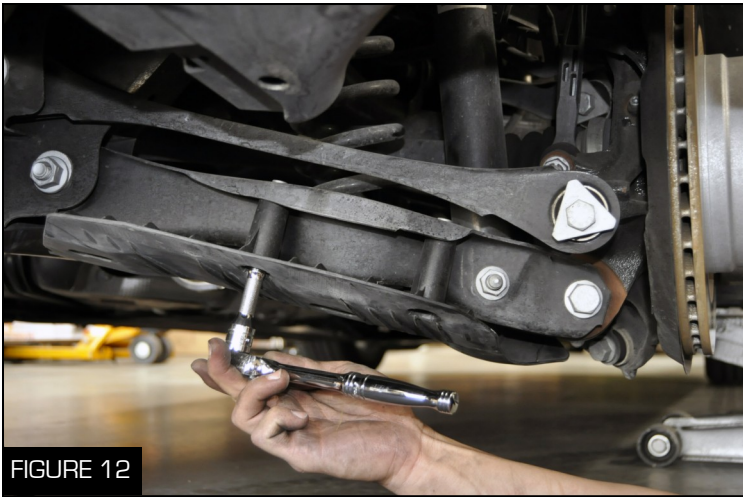
## Removal of OEM Rear Springs



1. Jack up the rear of the car using a proper floor jack with proper jack stands (Figure 11)



3. Using the 18 mm socket and wrench, unbolt the inner bolt connect the shock to the suspension arm (Figure 13)



2. Unbolt the lower tray using the 10 mm socket wrench (Figure 12)

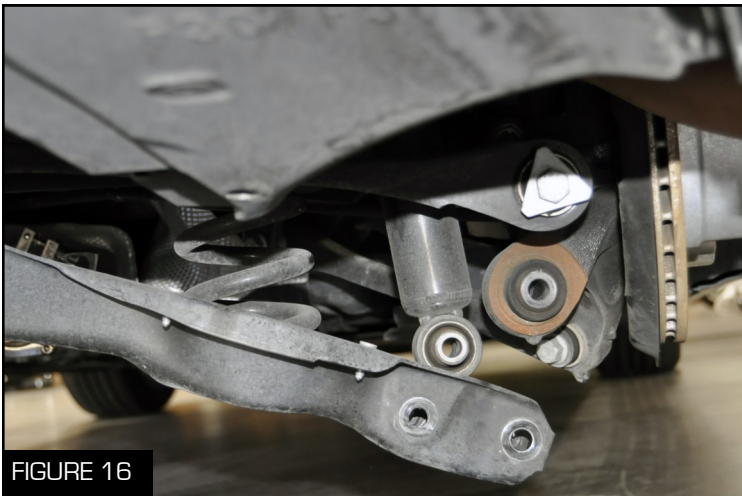


4. Using the 21 mm socket and wrench unbolt the outer bolt on the suspension arm (Figure 14)

## Removal of OEM Rear Springs



5. While supporting the suspension arm with the jack, remove the outer bolt and then slowly lower the jack (Figure 15)



6. Once the arm is lowered, push it down further and pull the spring out (Figure 16)

7. Follow these instructions in reverse to install the ARK springs





## First Operation/Maintenance

Be sure to check that the wheel lug bolts 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.

The springs will need a few days to settle and will be slightly lower than when you first install them. All spring lowering measurements are approximate and depend on vehicle model and packages.

