

Spec Iron MCS Strut Coil-Over Kit (Mm5CO-10)

This Kit Contains



| Description | QTY |
|-------------------------------|-----|
| Upper Spring Perch (CO-004-D) | 2 |
| Thrust Cone (CO-017.1) | 2 |
| Bearing Reducer (CC-415-A) | 2 |
| Spacer, 19mm Long (CO-134) | 2 |
| Spring Perch Adapter (CO-135) | 2 |
| Thrust Washer | 4 |
| Thrust Bearing | 2 |
| O-Ring | 2 |
| Installation Instructions | 1 |

Read all instructions before beginning work. Following instructions in the proper sequence will ensure the best and easiest installation.

Required Tools

- Standard assortment of hand tools
- Torque wrench

Required Supplemental Items

- Mm5CC-7, Mm5CC-5, or Mm5CC-1 Caster Camber Plate Kit
- MCS Spec Iron Struts with 2-1/2" Lower Spring Perch
- 2-1/2" Diameter Coil-over Springs
- Wheel bearing grease

Installation Time

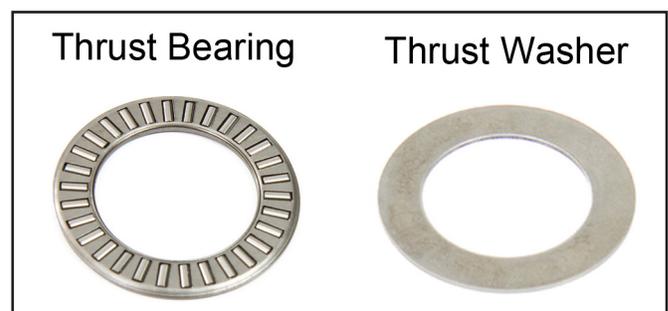
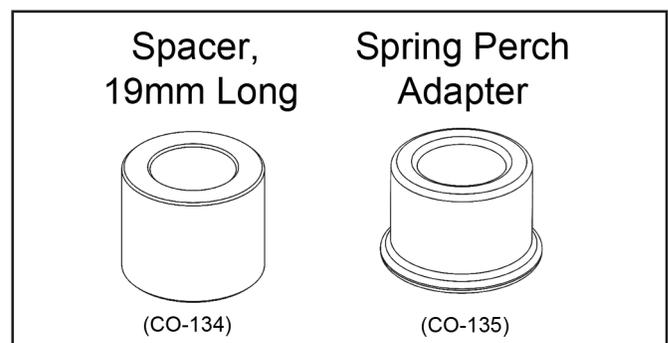
Shop: 1.0 Hours

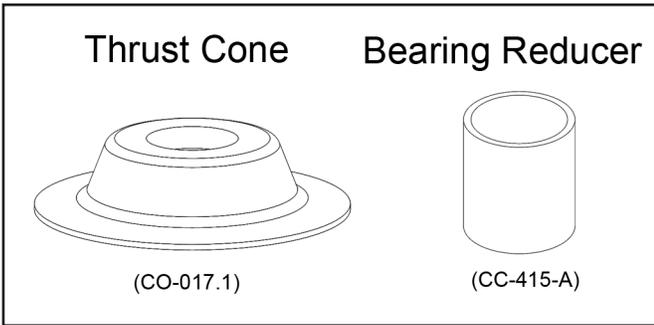
Home Mechanic: 1.5 Hours

Supplemental Installation Notes

- This kit is specifically designed for the MCS strut used on 2005-14 Mustangs in the NASA Spec Iron Series.

Component Identification





Preparation

1. Take one of the provided upper spring perches and place it on a flat surface.
2. Apply a small amount of wheel bearing grease to one of the o-rings and insert it into the small machined groove on top of the spring perch.



3. Place one of the thrust washers into counterbore on top of the spring perch.



4. Apply a liberal amount of grease to one of the thrust bearings and place it into the counterbore next.



5. Place a second thrust washer into the counterbore, on top of the thrust bearing.



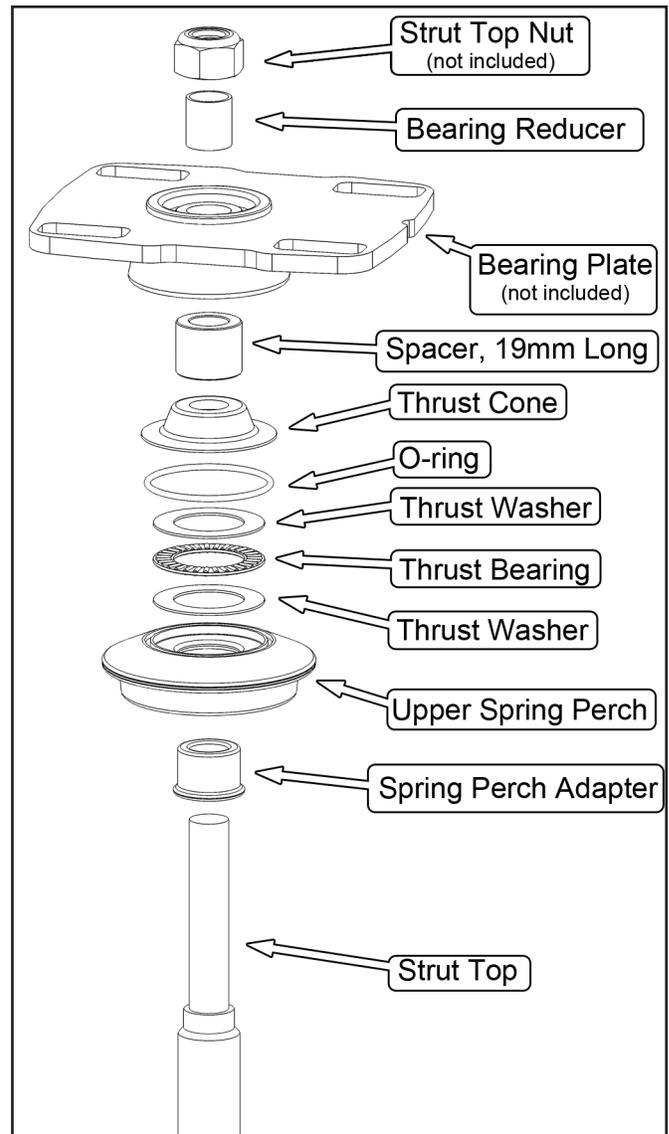
6. Repeat Steps 1-5 for the remaining spring perch.

Coil-over Assembly

7. If not already installed, verify that a 2-1/2" diameter lower spring perch has been threaded onto the MCS strut housing. Also make sure that a bumpstop has been installed onto the strut shaft.
8. Install the desired rate 2-1/2" diameter spring onto the strut housing.
9. Place the Spring Perch Adapter onto the MCS strut shaft.
10. Next, place one of the spring perch assemblies onto the strut shaft.
11. Install one of the provided thrust cones onto the strut shaft.
12. Install one of the 19mm long spacers on the strut shaft.
13. Install a bearing reducer into the spherical bearing of one of the bearing plates. The reducer has a slight press fit and will require the use of a rubber mallet to tap it into the bearing.

NOTE: If using a Mm5CC-1 or Mm5CC-5 Caster Camber Plate, first remove any reducers/spacers that may be present in the spherical bearing.

14. Install the strut top nut and tighten to the manufacturer's specification.
15. Verify that the spring perch freely rotates. If not, verify that all of the components have been installed in the correct order shown in the exploded diagram.



16. Repeat Steps 7-15 for the remaining strut.

Installation

17. Reference the "Strut Installation" section of the Mm5CC-7 consumer instruction to complete the installation.