

| PART # | DESCRIPTION                      |
|--------|----------------------------------|
| 66514  | 05-UP FSD 4WD 7" FRONT 2.0 VS IR |

| COMPONENTS INCLUDED  |  |
|--|--|
| (1) 164914 05-UP FSD 4WD 7" FRONT 2.0 VS IR  | (1) 611006 9/16" HD STEM BUSHING KIT   |
| HARDWARE INCLUDED  |  |
| 611006 HARDWARE KIT  |  |
| (2) HEAVY DUTY 9/16 ID STEM BUSHING<br>(2) HEAVY DUTY STEM BUSHING RETAINER  | (1) M12-1.25 NUT THIN<br>(1) M12-1.25 JAM NUT  |
| TOOLS REQUIRED   |  |
| JACK<br>JACK STANDS<br>TORQUE WRENCH   | 17MM SOCKET / WRENCH<br>18MM SOCKET / WRENCH<br>19MM SOCKET / WRENCH<br>21MM SOCKET / WRENCH |
| TECH NOTES   |  |
| <p>1. YOUR ICON SHOCK ASSEMBLIES COME FACTORY CHARGED TO 180 PSI. RELEASING NITROGEN PRESSURE MAY LEAD TO SHOCK MALFUNCTION AND REDUCED RIDE QUALITY. FAILURE CAUSED BY LOW NITROGEN PRESSURE IS NOT COVERED UNDER ICON'S WARRANTY POLICY.</p> |  |

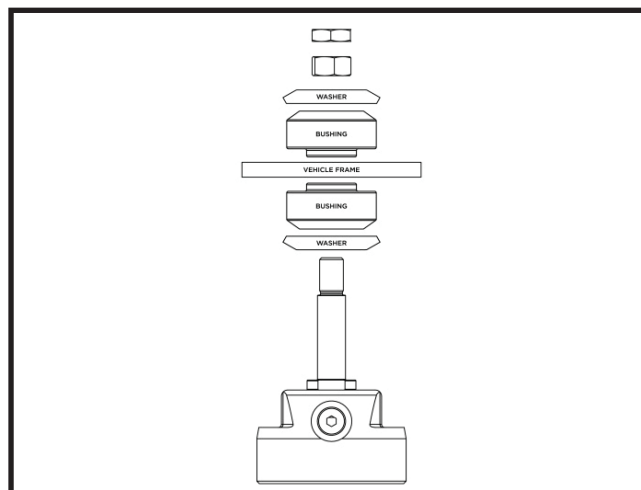


| WARNING!  |
|---|
| <p><b>** READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!</b></p> <p><b>** ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.</b></p> <p><b>** ICON VEHICLE DYNAMICS RECOMMENDS ALL INSTALLTION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.</b></p> |

## INSTALLATION

- Using a properly rated jack, raise the front of the vehicle and support the frame rails with jack stands. Ensure the jack stands are secure and set properly before lowering the jack. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the front wheels.
- Remove the factory shocks using a 17mm and 18mm socket/wrench.
- Install the shock stem bushing kit onto the factory shock mount as follows: 9/16" stem washer, stem bushing (locator lip up), factory shock mount, stem bushing (locator lip down), 12mm stem washer, 12mm nut. Fasten until bushing assembly is snug but do not overtighten. (19mm) Install the factory lower bolt. (18mm & 21mm) [FIGURE 1]

FIG.1



- Reinstall wheels and lower vehicle back to the ground. [Torque lugs to factory spec]

**VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.**

**RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.**

## 2.0 ALUMINUM SERIES TECHNICAL INFORMATION

### MAINTENANCE

ICON shock absorbers are a high quality rebuildable race style shock absorber designed for optimal performance. With a unit of this caliber on your vehicle, routine maintenance is required to keep them looking and operating in like new condition. Residual oil and assembly lube may be present at all seal paths from the factory out of the box and is considered normal. Pooling of oil however is not acceptable at any time and one should contact the iCON dealer where purchased.

**BELOW ARE GUIDELINES BASED ON HOW YOU USE YOUR VEHICLE BUT YOUR MILEAGE MAY VARY:**

#### **STREET USE:**

- Send in for factory servicing every 40,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Remove any buildup of road salt, mud, or debris from shocks anytime accrued
- Clean with mild soap and water with each oil change or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.
- Check nitrogen pressure yearly. (252004 charge needle assembly available at any iCON distributor)

#### **STREET/DIRT:**

- Send in for factory servicing every 15,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Clean with mild soap and water with each oil change, offroad trip, or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.
- Check nitrogen pressure each dirt outing. (252004 charge needle assembly available at any iCON distributor)

#### **DIRT USE:**

- Send in for factory servicing every 1,000 miles.
- Check nitrogen pressure each outing. (252004 charge needle assembly available at any iCON distributor)
- Remove any buildup of mud or debris from shocks after every outing.