

SE STREET EDGE

INSTALLATION INSTRUCTIONS

SE801014

*08-10 Dodge Challenger
05-10 Dodge Charger 2WD
05-09 Dodge Magnum 2WD*

Before you start installation, please read the following instructions carefully:

- The suspension components have to match the suspension application specifications (spring and shock / strut part numbers).
- The installation instructions have to be strictly observed!

Warning:

- You have to read the general installation instructions carefully BEFORE attempting installation
- The suspension components may only be installed by trained mechanics, using the proper tools
- Never use an impact wrench to install or remove shock absorber piston hardware
- In any case please make sure that fittings (for example fitments of shock absorber housings or lower control arms in the wheel bearing housing/spindle) are free of dust and oil. (see manufacturer guidelines)
- Never disassemble or cut open shock absorbers and/or shock absorber inserts. They are pressurized and **may explode!**
- Any electronically controlled suspension (in case vehicle is equipped with this option) needs to be disabled by an authorized dealer
- We recommend using a vehicle hoist or lift when installing the suspension. If a lift is not available and jack stands are being used, make sure that the vehicle is secured with commercial wheel blocks and jack stands to ensure safety

General Instructions:

- When adjusting the vehicle's height, make sure that the threads are clean and free of debris. After initial cleaning, move the perch down by 10mm (0.4"), then clean the threads where you desire to move the perch (up or down).
- For height adjustment on vehicles with separate shocks and springs, remove the adjustable spring perch from the vehicle for adjustment.
- In the area of the piston rod seal, both on new and on shock absorbers in use, oil and grease might collect. This could either be caused by the use of grease during manufacturing and assembly of the shock absorber, or due to accumulation of streak shock absorber oil during use. This is normal and not a sign of a defective shock absorber.

General Mounting Specifications:

1. We recommend the use of a vehicle hoist or lift when installing the suspension
2. **Caution:** If the vehicle is equipped with ride height sensors, they should be removed before removal of struts or dampers, otherwise damage may occur
3. The struts should be removed as specified by manufacturer's instructions
4. Manufacturer recommended tools for removal of the original struts, or a suitable spring compressor, have to be used in order to remove factory mounted suspension systems
5. Mount the complete suspension system as described on the following pages
6. Never use impact guns to install nuts on the piston rods as permanent damage may occur. It is imperative that you do not damage the piston rod surface, by using pliers etc, as even the smallest damage will result in seal damage, and will not be covered under warranty
7. Ensure that the set screw on each spring collar is tightened to prevent movement of the spring perch. On vehicles with separate shock/spring combinations, no set screw is necessary
Caution: Do not overtighten the set screw. Maximum torque is 1-2 Nm (0.74-1.47 ft-lb)
8. Install the suspension components as specified by the vehicle manufacturer in their documents
9. Except as noted, all torque values must comply with manufacturer recommended specifications
10. After assembly and installation is complete, the vehicle should be rolled onto level ground. Once on level ground, measure the vehicle height and adjust to the customer's requirements, within the prescribed lowering range
Caution: It is possible that the vehicle suspension settles an additional 5-10mm (0.2-0.4")
11. Examine the clearance between the tires and the suspension over the full range of motion of the wheel. The minimum clearance between the suspension and the tire/wheel is 5mm (0.2"). If this clearance is less than 5mm (0.2"), wheel spacers may be necessary. With strut designs that are located close to the wheel, but don't have steering functions, use 100mm (4") blocks diagonally underneath opposing wheels (i.e. front right and rear left) in order to fully deflect these wheels. The minimal clearance needs to be achieved in this fully deflected position of the wheels
Caution: On vehicles equipped with torsion beam trailing arm axles, above method is not sufficient. Test drive the vehicle fully loaded with sand bags to make sure minimal clearance of 5mm (0.2") is being met
12. The suspension needs to be properly re-aligned according the vehicle manufacturer's specifications. If a value cannot be reached due to the difference in height, an optimal value close to the tolerance range of the vehicle manufacturer needs to be set
13. All components that are controlled by vehicle ride height (i.e. headlights, brake bias regulator etc.) have to be adjusted as specified by the vehicle manufacturer instructions and procedures
14. For vehicles with ESP, DSC or EPC, your new suspension components may cause a fault code to appear. This is only temporary as the vehicle electronics adjust to the new height setting. On some vehicles this will happen after driving approx. 3-5 miles, or by turning the steering wheel from full left to full right. On newer models, this must be reset through the factory diagnostic port by a qualified technician
15. After you have completed the suspension installation, check the clearance of the tires to the front suspension strut. The minimum clearance is 5mm (0.2")

Front axle installation:

- Mount the factory strut mount onto the strut using the supplied lock nut. Torque for the piston rod nut is 35 Nm (26 ft-lb).
- Please install the strut assembly using the vehicle manufacturer's specifications (fitment and torque).

Rear axle installation:

- The factory rubber spring mount will not be used any more
- Mount the rear axle adjuster between spring and chassis, on top of the spring
- In order to adjust ride height, remove the adjustable perch from the vehicle for adjustment
- The damper unit has to be installed according to manufacturer's recommended specifications regarding torque and mount specifications.

For help installing your Street Edge suspension please call 1-888-656-3343
or email tech@streetedgeusa.com

Approximate distance measurement A	min:	max:	min:	max:
	330 mm / 13,0 inch	365 mm / 14,4 inch	18 mm / 0,71 inch	63 mm / 2,5 inch
Approximate measurement* B in mm / inch: wheel hub center to fender edge	min:	max:	min:	max:
	365 mm / 14,4 inch	400 mm / 15,7 inch	365 mm / 14,4 inch	410 mm / 16,1 inch

Calculating the adjustment range (distance measurement A) : (Photos are examples only)

