



SDi
E-CLIK

***SDi E-CLIK Shock
Installation Manual***

Jeep

Wrangler/Rubicon JL 2/4 Door

SDi E-CLIK Shocks Jeep Wrangler/Rubicon JL 2/4 Door Installation Manual

Compatible E-CLIK System

1. E-CLIK (Switch controlled)
2. E-CLIK ACTIVE (Touch Screen + Silver Selecting Ring Controller)
3. E-CLIK PRO (Touch Screen + Black Selecting Ring Controller)

E-CLIK Shocks Jeep JL Package Contents

1. 2x Front Shocks
2. 2x Rear Shocks
3. Left and Right rear closure panel cut patterns

Required Tools

1. Wheel Chocks
2. 3-Ton Floor Jack and Flat Top Jack Stand
3. Ratchet
4. Torque Wrench
5. 18mm Socket
6. 8mm Socket
7. 18mm Wrench
8. Utility Knife
9. Impact (optional)

Estimated Installation Time

1 to 2 hours

SDi E-CLIK Shocks Location Instruction

Each of the 4 shocks included in the E-CLIK System is designed to be mounted in one specific location.

The location of each shock can be determined by looking at the sticker installed on the reservoir of the shock, and by reading the location code at the end of the product number (see pictures and code description below):

- FL → Front Left Shock (Front Driver Side)
- FR → Front Right Shock (Front Passenger Side)
- RL → Rear Left Shock (Rear Driver Side)
- RR → Rear Right Shock (Rear Passenger Side)



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1. Install Front Shocks

Make sure vehicle is in park and parking brake is on.

Remove Front Stock Shock:

- a. Place wheel chocks on the rear wheels of the vehicle.
- b. Jack up the front side of the vehicle with 3-Ton Floor Jack.
- c. Place 3-Ton Flat Top Jack Stands under the front side of the frame.
- d. Remove front wheels.
- e. It can be helpful to have your jack underneath the differential of your front axle to keep the axle from drooping out when removing the stock shocks.
- f. Unbolt bottom bolt and nut of the front left shock with 18mm socket and 18mm wrench.
- g. Unbolt top bolt of the front left shock with 18mm socket.
- h. Remove front left stock shock and keep hardware for install of new shock.

Install Front SDi Shocks:

- i. Place SDi E-CLIK front left shock.
- j. Secure stock top bolt with 18mm socket.
- k. Secure stock bottom bolt and nut with 18mm socket and 18mm wrench.
- l. Tighten top bolt at 80 ft/lbs with 18mm socket and torque wrench.
- m. Tighten bottom bolt and nut at 75 ft/lbs with 18mm socket and torque wrench.
- n. Repeat on front right side.
- o. Reinstall the front wheels and tires
- p. Check clearance between brake line and tire by turning front wheels fully left and right.
- q. Jack up the front side of the vehicle with 3-Ton Floor Jack.
- r. Remove the 3-Ton Flat Top Jack Stands.
- s. Jack down the front side of the vehicle.
- t. Torque front wheels lug-nuts to the wheel manufacturer's specifications.

2. Install Rear Shocks

Make sure vehicle is in park and parking brake is on.

Remove Rear Stock Shock:

- a. Place wheel chocks on the front wheels of the vehicle.
- b. Jack up the rear side of the vehicle with 3-Ton Floor Jack.
- c. Place 3-Ton Flat Top Jack Stands under the rear side of the frame.
- d. Remove both rear tires and wheels. It can be helpful to have your jack underneath the differential of the rear axle to keep the axle from drooping out when removing the shocks.
- e. Remove rear left plastic fender by unbolting 3x screws with 8mm socket and ratchet.
- f. Unbolt bottom bolt and nut of the rear left shock with 18mm socket and 18mm wrench.
- g. Unbolt top bolt of the rear left shock with 18mm socket.

- h. Remove rear left stock shock and keep hardware for install of new shock.

Install Rear SDi Shocks:

- i. Place SDi E-CLIK rear left shock.
- j. Secure stock top bolt with 18mm socket.
 - i. Initially leave it loose so you can swing the shock up and get the lower mount of the shock into the axle mount.
- k. Secure stock bottom bolt and nut with 18mm socket and 18mm wrench.
- l. Tighten top bolt at 80 ft/lbs with 18mm socket and torque wrench.
- m. Tighten bottom bolt and nut at 75 ft/lbs with 18mm socket and torque wrench.
- n. Now it's time to modify the inner fender removed in the previous step. Place rear left cut patterns on rear left plastic fender.
- o. Cut the designated part of the rear left plastic fender with a utility knife.
- p. Replace rear left plastic fender by bolting 3x screws with 8mm socket.
- q. Repeat on rear right side.
- r. Reinstall the rear wheels and tires.
- s. Jack up the rear side of the vehicle with 3-Ton Floor Jack.
- t. Remove the 3-Ton Flat Top Jack Stands.
- u. Jack down the rear side of the vehicle.
- v. Torque rear wheels lug-nuts to the wheel manufacturers specifications.

Refer to **"SDI-IM-2051003.v2 - E-CLIK Electronics Jeep JL Installation Manual"** for the installation of the E-CLIK Electronics System.