



SYNERGY MFG. 870 INDUSTRIAL WAY, SAN LUIS OBISPO, CA (805) 242-0397

8555-10-HD Dodge 2500/3500 4x4 3.0" spring (94-02)

GENERAL NOTES:

- These instructions are also available on our website; www.synergymfg.com. Check the website before you begin for any updated instructions and additional photos for your reference.
- These coils are Left and Right specific, denoted by the part number labeled on each coil. 8555-10-HD-R is for the passenger side of the vehicle. 8555-10-HD-L is for the driver side of the vehicle. Failure to install the coil on the correct side will result in an unequal lift height from left to right.
- An aftermarket adjustable length track bar is recommended for lifts over 2.0" to re-center the front axle. A factory length track bar on a lifted vehicle will result in an off-set front axle in addition to causing the vehicle to lean to one side.
- Stock length sway bar links will need to be flipped to the top on older trucks (covered in step 11 below) or replaced with longer links on newer model trucks.
- These coils are spec for all dodge diesel 4x4 trucks from 1994-2002, however lift heights will vary due to cab configurations and drive train changes. The lift heights below are estimated lift heights on what can be expected per model:

Year / Motor	Cab Configuration	Lift Height
1994-1998 / 12 Valve	Single Cab	4.0"
1994-1998 / 12 Valve	Extra Cab	3.5"
1998-2002 / 24 Valve	Single Cab	3.5"
1998-2002 / 24 Valve	Extra Cab	3.0"

Parts / Tools Needed to complete installation:

- Basic simple hand tools.
- Quality Jack and Jack Stands

APPROXIMATE INSTALL TIME: 3-4 HOURS

INSTALLATION:

- 1) Before installation, inspect coil spring part numbers. 8555-10-HD-R is for the passenger side, 8555-10-HD-L is for the driver side.
- 2) Start by removing the trackbar attachment bolt at either the frame or axle side.
- 3) Begin by safely supporting the vehicle using a floor jack and jack stands to allow the front suspension to hang free.
- 4) With suspension hanging free, remove steering attachment at pitman arm.
- 5) Remove lower shock bolt from both sides and disconnect sway bar links from axle.
- 6) Lower front axle until the front coil can be removed. Take note of brake lines and any electrical or vacuum connections going to the axle. Make sure these are not strained or pulled. Disconnect any of these lines / hoses to allow for coil removal.

- 7) With coil springs removed, remove the shock. Due to the long free length of the 8555-10 coil, it is easier to install the coil and shock together as one or to remove the factory upper shock mount and install shock from the top once the coil has been installed.
- 8) Install the coil so the part number is oriented the right way up. The tighter winds of the coil should be at the top. Retain the factory coil spring isolator. Be sure to install the 8555-10-HD-R on the passenger side, and the 8555-10-HD-L on the driver side of the truck.
 - Note – upper control arm bolt removal at the axle may be necessary to allow the front suspension to drop out enough for coil spring installation.
- 9) Index spring so that the end of wrap aligns with the edge of lower coil perch as shown below.



- 10) Reinstall all removed components during installation.
- 11) Note, sway bar links on older trucks can be flipped to the top mounts of the axle as shown below.



- 12) On trucks with newer style sway bar links (Pancake bushing at sway bar rather than axle side) PPM-8515-01 Heavy Duty Extended Sway Bar Links are recommended.
- 13) Torque all hardware to spec. Note - tighten control arm bushings to spec with vehicle sitting on the ground at ride height as to not put suspension bushings into a bind.
- 14) Use the factory service manual as a guide when re-installing / torquing hardware.

Installation is Complete