



HS 3 Leaf Progressive AAL Installation Instructions

(Part # HS-TOY516-3AL)

PLEASE READ ALL INSTRUCTIONS THOROUGHLY BEFORE INSTALLATION. IMPROPER INSTALLATION CAN LEAD TO INJURY OR DAMAGE TO VEHICLE. IT IS RECOMMENDED INSTALLATION BE PERFORMED BY A QUALIFIED LICENSED MECHANIC.

INSTRUCTIONS :

Process is the same for both sides

1. Jack up the rear of the vehicle allowing the rear end to droop out. Use jack stands to support the rear weight of the vehicle (remove wheels at this point in time).

NOTE: Lift method and rear support might differ slightly depending on shop and available equipment (i.e. vehicle lifts).

2. Position a floor jack under the rear end to support the rear axle.

3. Remove the lower shock bolt (the rear axle may need to be lifted a bit in order to remove tension on shock bolts), remove the U-bolts and remove the e-brake bracket from the overload clip. Be sure to keep the small bolt for the e-brake bracket as it will be reused later.

4. Slowly lower the rear axle away from the springs and then remove the factory centering bolt and the factory over-load spring.

NOTE: You will need to C-clamp the factory springs together before attempting to loosen and remove the center bolt.

5. Prepare 3 leaf AAL for installation by removing the center bolt (discard sleeve) and pack clip bolt and sleeve. At this point we recommend applying heavy duty automotive grease between each leaf as well as the top leaf before proceeding to Step 6. Be sure to keep the leaves in the same order/direction when applying grease.

6. Add 3 leaf AAL to the bottom of the factory pack by sliding the new center bolt provided through the holes in the leafs. Be sure to install the 3 leaf AAL so that the clip goes towards the front of the truck.

7. With the 3 leaf AAL in position and all leafs clamped together, add and tighten the provided center bolt and nut.

NOTE: You may need to cut the center bolt down should the bolt extend up further than 1/2". If bolt extends up too far it will interfere with the reinstallation of the bumps stops.

8. Jack up the axle and guide the spring center bolt head into the hole on the axle perch. Once in position install new u-bolts provided and tighten don't torque. Torque to spec [75-80 ft-lbs] once truck is back on the ground and the suspension has settled into place.

9. Re-install the 3 leaf AAL leaf clip bolt/sleeve and tighten. The bolt should be installed so that the end of the bolt and nut is facing outward.

10. Re-install shock bolts into lower factory mounts and tighten. Shock may need to be compressed in order to line up hole and slide bolt through.

11. Using the factory e-brake bracket bolt, install the e-brake bracket to the AAL clip using the threaded hole.

NOTE: If the rear shocks used have a longer extended length over that of the factory shocks, additional slack of the e-brake line via the use of an extension bracket may be required. This would be the case with or without the use/ installation of the HS 3 Leaf AAL.

12. At this point the wheels can be re-installed and vehicle lowered.

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

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