WARNING:

Many light trucks manufactured after 1985 are equipped with a load-brake proportioning valve. This valve allows increased brake pressure to the rear wheels when a load is applied to the vehicle. Adjustment of this valve by your local truck dealer is required after this helper kit is installed. Failure to have the load-brake proportioning valve adjusted will result in improper and/or unsafe brake operation when your vehicle is loaded.

1. Read instructions carefully and completely before installing.

2. Vehicle must be empty (unloaded) before installing kit.

3. Chock Front Wheels.

4. Raise the rear of the vehicle until the tires are ready to leave the ground.

5. Place helper spring on top of the main spring as shown in figure 1.

   a. When four (4) springs are included in the kit, the two (2) long assemblies are mounted to the rear of the vehicle, one (1) per side.

   b. When two (2) springs are included in the kit, both are mounted to the rear of the vehicle, one (1) per side.

6. Install the U-bolts at the axle ends of the helper springs, allowing them to rest in the kinks at the leaf ends. Install the U-bolt plates with one (1) flatwasher and one (1) nut to each U-bolt (Finger tight only).

7. Slide the helper spring as close to the axle seat as possible and tighten the nuts.

8. Install jam nuts and tighten the nuts completely.

9. Place leaf end U-bolts over the helper main leaf allowing them to rest in the kinks at the leaf ends.

10. Install U-bolt plates, with one (1) flatwasher and one (1) nut to each leg of the U-bolt (it may be necessary to use a C-clamp to slightly draw down the helper spring main leaf to install the nuts). Tighten U-bolts until the helper main leaf is under load. Install jam nuts (Figure 1).

11. Lower the vehicle and check the clearance on all of the chassis components, fuel lines, brake lines, wiring, etc.

12. You have now completed the installation of the Dayton Parts Standard Duty Helper Kit. —You may wish to adjust the helper for greater load assist. This can be accomplished by tightening the primary nuts of the leaf end U-bolts. Important: After any adjustment, be sure to reinstall and tighten the jam nuts.

(Continued)
Note: Check U-Bolts for tightness after 100 miles.

Kits with two (2) single leaf springs AND two (2) multi-leaf springs; mount singles leaves forward of the axle.

Kits with either two (2) single leaf springs OR two (2) multi-leaf springs; mount helper spring rear of the axle.

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General Notes - All Kits

— Tires and other suspension parts must be kept in good repair.

— We recommend a good quality heavy duty shock absorber be installed with these kits.

— Brakes must be in good repair.

— For vehicles equipped with brake proportioning valves, refer to appropriate manufacturer’s service bulletins at your Local O. E. Dealership.

— Dayton Parts, LLC helper kits are designed to help light duty trucks carry their maximum design loads more safely. DO NOT EXCEED THE MANUFACTURER’S GROSS VEHICLE WEIGHT RATING (GVWR).