

17-6 SHOCK ABSORBERS AND REAR SPRINGS

(4) Loosen and remove "U" bolt nuts and remove "U" bolts and spring plate.

(5) Loosen and remove the nuts holding front spring hanger to body mounting bracket.

(6) Loosen and remove rear spring hanger bolts and let spring drop far enough to pull front spring hanger bolts out of body mounting bracket holes. (On carlines B and J loosen and remove rear shackle nuts, plate and remove shackle; this will promote ease in spring removal).

(7) Loosen and remove front pivot bolt from front spring hanger.

(8) Loosen and remove shackle nuts and remove shackle from rear spring.

Installation

Inspect rear spring front pivot bolt bushing and if necessary, replace bushing; see "Pivot Bushing Replacement" procedure.

(1) Assemble shackle and bushings in rear of spring and rear spring hanger. (**Do not lubricate rubber bushings.**) Start shackle bolt nut. **Do not tighten.** On carlines B and J, position bushings into spring eye followed by lower shackle bolt and raise spring into position. Insert upper bushings into hanger and install shackle bolt. Install plate and nuts. **Do not tighten.**

(2) Assemble front spring hanger to front spring eye and install pivot bolt and nut. **Do not tighten.**

(3) Position rear spring hanger to body bracket and install bolts and tighten bolts to 30 foot-pounds.

(4) Raise the spring and start the spring hanger bolts in mounting bracket holes (light leverage such as mechanics shoulder under spring might be necessary to position spring hanger studs in mounting bracket holes). Install nuts and tighten to 30 foot-pounds.

(5) Lower axle assembly into correct position with axle centered over spring center bolt.

(6) Position the spring clamp and upper isolator over center bolt followed by bottom isolator and plate. Carlines R, W, P, D, C and Y (Fig. 14) install "U" bolts and nuts. Tighten to 40 foot-pounds (carlines V, L, B and J with 7-1/4 inch axle) and 45 foot-pounds on models having other axles.

(7) Install shock absorber on stud and tighten nut 50 foot-pounds. (Connect sway bar link if applicable).

(8) Lower vehicle to floor and with full weight of vehicle on the wheels, tighten pivot bolts and/or nuts to 125 foot-pounds. Tighten shackle nuts 30 foot-pounds on carlines V and L, and 40 foot-pounds on all other models.

(9) It is recommended that after a rear spring has been replaced, that the vehicle be driven and the front suspension heights be remeasured and corrected if necessary.

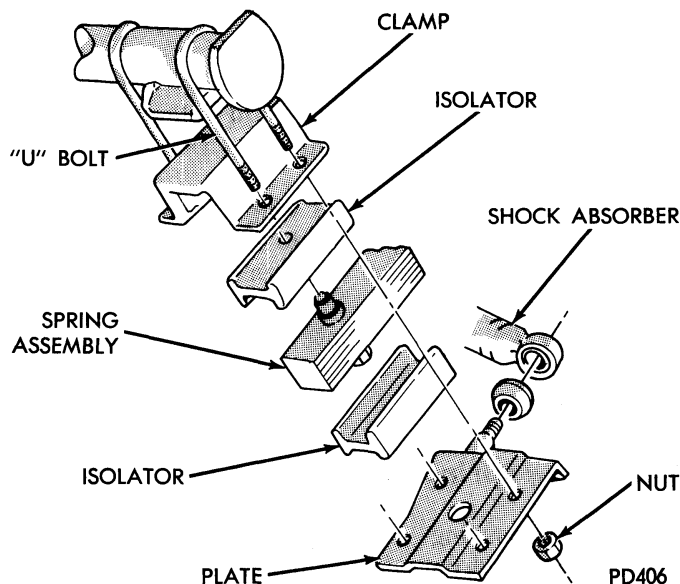


Fig. 14—Rear Spring Isolator (Carlines R,W,P,D,C,Y)

Pivot Bushing Replacement

The removal of old bushings and installation of new bushings is performed in one operation, using Tool C-3709 (Fig. 15).

(1) Raise vehicle on hoist to a comfortable working position.

(2) Using floor stands under axle assembly, raise axle assembly to relieve weight on rear spring.

(3) Disconnect rear shock absorber at spring plate lower mounting stud. Lower axle assembly, permitting rear springs to hang free.

(4) To replace front pivot bushing, remove rear spring front hanger from body bracket. Remove pivot bolt and hanger from spring.

(5) Place new bushings on Tool C-3709 (Fig. 15), arrange tool in spring eye, then press out old bushing while pressing in new bushing in one operation.

(6) Assemble front hanger to spring but do not tighten pivot bolt nut until full weight of vehicle is on wheels.

(7) Attach spring hanger to body bracket and tighten mounting bolts to 30 foot-pounds.

(8) To replace rear spring shackle bushings remove rear spring hanger from body bracket. Remove shackle, then slide bushings out of spring and hanger.

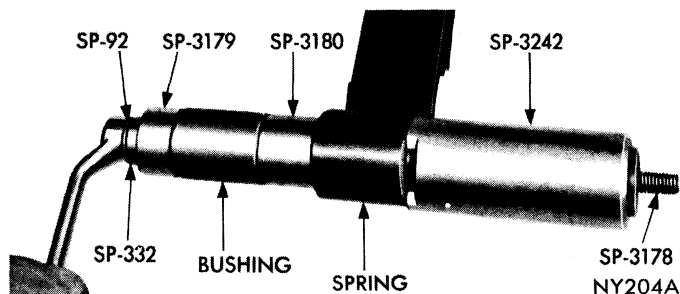


Fig. 15—Pivot Bushing Replacement