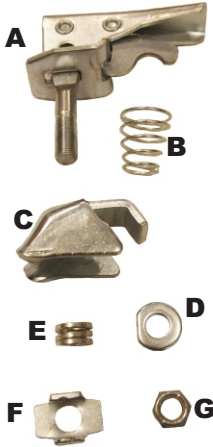


## Lever Latch Coupler Repair Installation Sheet

### WARNING:

Carefully read and understand below instructions for safe installation of the RAM lever latch repair kit. Failure to follow these instructions and basic safety precautions may result in serious personal injury. For coupler installation to trailer and coupler maintenance refer to the RAM coupler installation/maintenance sheet that can be supplied upon request.

### Lever Latch Parts



- A) Lever latch with lock trigger, spade bolt and lock plate
- B) Coil spring
- C) Ball clamp
- D) Ball clamp washer
- E) Tension spring
- F) U-shape washer
- G) Nyloc nut

**Step One** - Slide lever latch (in open position) spade bolt through coupler hole just behind coupler ball pocket. Keep lever latch in open position.



**Step Two** - Slide coil spring up over the spade bolt. Larger opening end of coil spring is to face upward to come in contact with underside of coupler.



**Step Three** - Slide ball clamp up on spade bolt with cupped part facing upward and toward coupler ball pocket. Back lip of ball clamp is to be up and over the coupler re-inforcing bar.



**Step Four** - Slide ball clamp washer on the spade bolt with the flat side of washer facing forward.



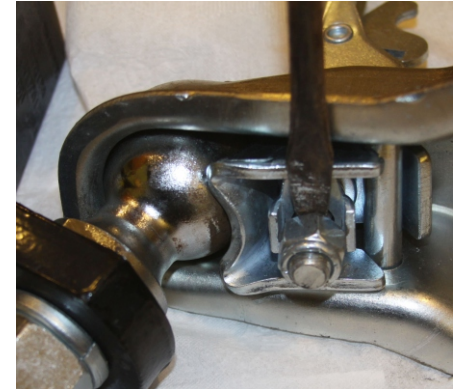
**Step Five** - Slide tension spring on the spade bolt.



**Step Six** - Slide U shaped washer on the spade bolt. Make sure the washer remains in this orientation.



**Step Seven** - With the lever latch in an open position tighten nyloc nut. (A flat head screw driver can be used to push the u-shape washer up so not can be tightened.) Periodically as you are tightening the nut remove the flat head screw driver and close the lever latch on the coupler with the proper size hitch ball in the coupler ball pocket. Keep doing the tightening process until closing the lever latch is difficult. At this point the ball clamp should be resting very snug against the hitch ball. At this point open the lever latch and loosen the nut a half to three quarter turn. Close lever latch again (lever latch should close with less resistance) and hitch ball should be able to pivot inside the coupler ball pocket.



Once instructions above are completed, coupler is adjusted properly and coupler is in the closed/engaged position the bottom of coupler and proper size hitch ball in the coupler ball pocket should look like photo to right. It is important that the u shape washer remain in this orientation. Also after coupler is properly adjusted there should never be less than a full thread exposed on the spade bolt below the bottom of the nut.

