

## TGR14500 64-67 GM "A" Body TigerCage

### Basic Cage

|   |                    |                                            |
|---|--------------------|--------------------------------------------|
| 1 | T108-1             | Main Hoop                                  |
| 1 | T125D-1            | Driver side hoop mount                     |
| 1 | T125P-1            | Passenger side hoop floor mount            |
| 2 | T121               | Hoop mount "B" pillar reinforcement plate  |
| 1 | T128D              | Driver side hoop to frame mount (inner)    |
| 1 | T128P              | Passenger side hoop to frame mount (inner) |
| 1 | T124D-1            | Driver side hoop to frame mount (outer)    |
| 1 | T124P-1            | Passenger side hoop to frame mount (outer) |
| 1 | T109-1             | Driver side package tray bar               |
| 1 | T110-1             | Passenger side package tray bar            |
| 2 | T116               | Package tray reinforcement plate           |
| 1 | T111-1             | Driver side trunk bar                      |
| 1 | T112-1             | Passenger side trunk bar                   |
| 2 | T127               | Trunk bar to frame mount                   |
| 2 | T002               | Clamp tabs                                 |
| 1 | T037P              | TigerClamp P (threaded)                    |
| 1 | T038P              | TigerClamp P                               |
| 1 | T037D              | TigerClamp D (threaded)                    |
| 1 | T038D              | TigerClamp D                               |
| 1 | Tube of Anti-Seize |                                            |
| 1 | ENG34111           | Polyurethane body mount kit                |

### Hardware:

|    |                                   |                             |
|----|-----------------------------------|-----------------------------|
| 16 | 3/8" x 1" USS Gr. 8 SHCS          | Clamps / Main hoop to mount |
| 44 | 3/8" x 1 1/4" USS Gr. 8 bolt      | Mounting brackets           |
| 4  | 3/8" x 1" self-tapping screws     | Mounting brackets           |
| 40 | 3/8" USS Gr.8 Nylok nut           | Mounting brackets           |
| 4  | 3/8" Lock washer                  | Mounting brackets           |
| 88 | 3/8" SAE flat washer              | Mounting brackets           |
| 2  | 1/2" x 1 1/2" 12 point Gr. 8 bolt | Bar to clamp tab            |
| 2  | 1/2" Flange nut                   | Bar to clamp tab            |



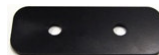
T125



T097



T092



T116



T121



T127

## TGR14500 Installation Instructions

- Initial fitment of the floor mount brackets must be done under the carpet. Final installation can be done under or over the carpet.
- Use Anti-Seize on all fasteners that are threaded into stainless clamps or brackets.
- Install all bars before final tightening.
- Always tighten the tab side of the clamp first.
- Torque all 3/8" fasteners to 45 ft-lbs and all 1/2" fasteners to 75 ft-lbs.
- Make sure the clamp is exactly where you want it before tightening as the clamp may scratch the tubing.
- **Watch for fuel and brake lines when drilling holes through the floor pan.**



1. Start by replacing all of the body mounts with the new polyurethane mounts included. Using the old rubber mounts can cause clearance and fitment issues.
2. Position the main hoop floor mount so that the front of it is 1 7/8" behind the front edge of the body seam on the rocker.



3. Using the bracket as a template; drill four 3/8" holes through the floor pan. Drop 3/8" x 1 1/4" bolt w/ flat washers down through floor pan.



4. Bolt the inner frame brackets to the bottom of the floor pan using 3/8" Nylok nuts and flat washers.

5. The bracket will be fastened to the frame with two 3/8" x 1" self-tapping screws. (The frame is boxed in this section.) The holes must first be drilled using a 5/16" bit.



7. The outer two holes of the hoop mount will attach to the outside of the frame rail with this bracket. Using the bracket as a template; drill two 3/8" holes into the frame. Use two 3/8" x 1 1/4 bolts, flat washers and Nylok nuts to secure the bracket to the frame.



8. Using the bracket as a template; drill two 3/8" holes into the "B" pillar. Place this reinforcement plate inside the quarter. Secure assembly with two 3/8" x 1 3/4" bolts, flat washers, and Nylok nuts.

9. Bolt the main hoop to the floor mounts using four 3/8" x 1" socket head cap screws.



11. Using the template on page 7; drill four  $\frac{3}{8}$ " holes into the top of the package tray.

12. Attach a "D" Clamp to the main hoop with the tab facing rearward with the top of the clamp approximately  $35 \frac{9}{16}$ " above the floor mount. Use  $\frac{3}{8}$ " x 1" socket head cap screws on the clamp.

13. Place the driver side package tray bar on the package tray and secure it to the clamp with a  $\frac{1}{2}$ " x  $1 \frac{1}{2}$ " 12 point bolt and flange nut.



9. In order to keep the "T" in the casting facing up, and the bolts facing the correct direction, **there are two different direction clamps**. Be very careful as to which clamp halves you are bolting together. Refer to the image on page 6 for clamp locations.

10. A correctly assembled clamp should look like the one in the picture shown to the left; **there should be a gap on one side for the tab to slide into.**



14. Drop four  $\frac{3}{8}$ " x  $1 \frac{1}{4}$ " bolts with flat washers down through the bar mount and the holes in the package tray.



15. Fasten the trunk bar to the package tray bar with four 3/8" Nylok nuts and flat washers.



16. Using the trunk bar as a template drill two 3/8" holes through the vertical surface of the package tray.

17. Place the reinforcement plate on the inside of the package tray and secure with assembly with two 3/8" x 1 1/4" bolts, flat washers and Nylok nuts. Nuts should face the trunk.



18. Using the trunk bar as a template; mark the 4 holes in the floor pan with a center punch. First drill the hole with a 1/8" bit. Before drilling the holes to 3/8", hold the bottom frame bracket up against the frame rail to ensure that the bolt holes will align. Re-drill 1/8" holes if necessary.

19. Drop four 3/8" x 1 1/4" bolts with flat washers down through the floor pan.

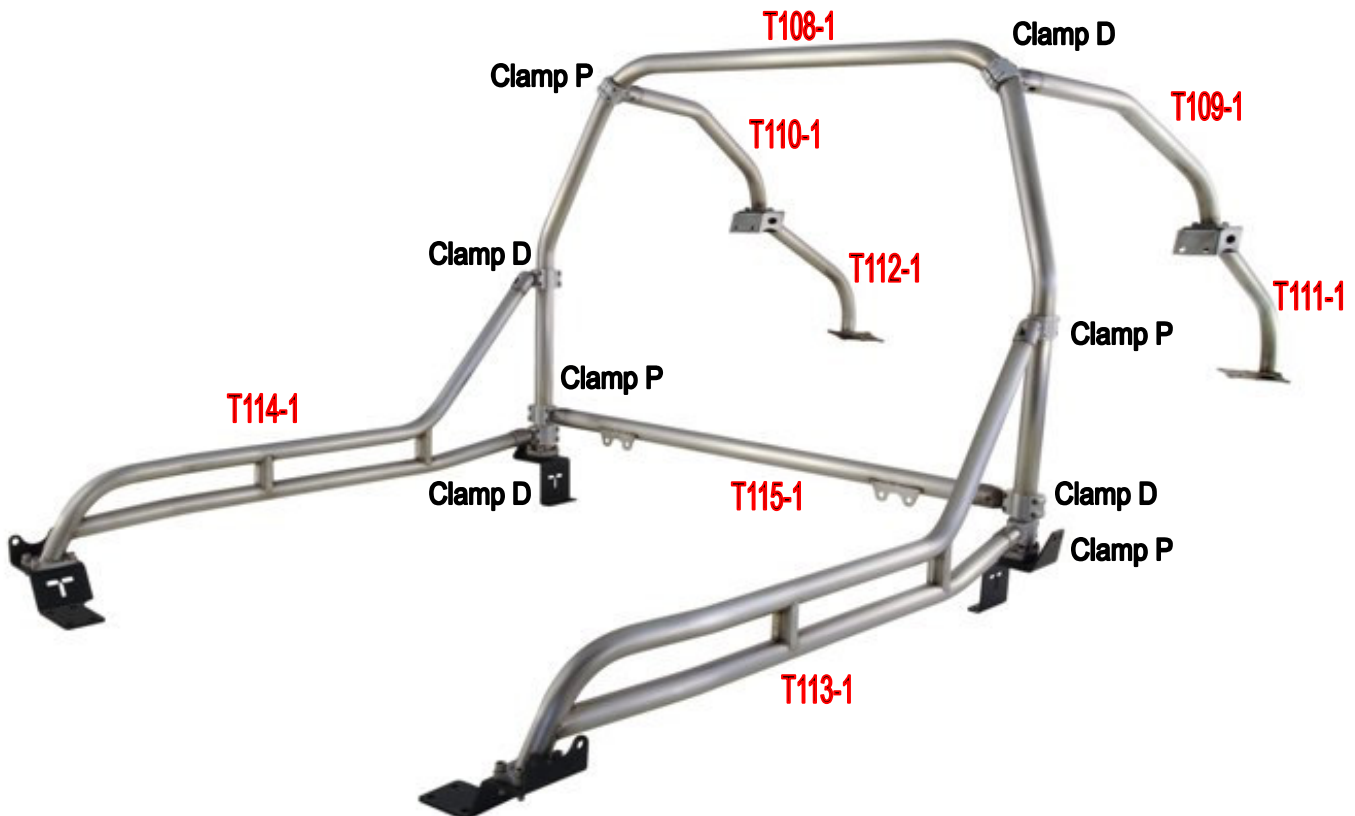


20. Secure the frame bracket to the floor pan with four 3/8" Nylok nuts and flat washers.

21. Using the bracket as a template; drill four 3/8" holes through the frame rail. Fasten the bracket to the frame with four 3/8" x 1 1/4" bolt, Nylok nuts and flat washers.

22. You may now tighten all clamps and bolts. Installation complete!

### TigerClamp Location Chart



**DRIVER SIDE  
THIS SIDE UP**

**PASSENGER SIDE  
FLIP OVER**

