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Part # 41160000 67-69 Camaro TigerCage

Basic Cage

1	41160904	Main hoop assembly
2	41160909	Main hoop mount
2	41160908	Main hoop reinforcement plate (inside car)
2	41260910	Main hoop reinforcement plate (under car)
2	49990002	1 1/4" plastic plug for rocker panel
1	41160903	Driver side package tray bar
1	41160902	Passenger side package tray bar
2	41160905	Package tray reinforcement plate
1	41160901	Passenger side trunk bar
1	41160900	Driver side trunk bar
2	41160906	Trunk bar reinforcement plate (under car- outer)
2	41160907	Trunk bar reinforcement plate (under car- inner)
2	49990005	Clamp tab
1	49990003	TigerClamp P (threaded)
1	49990000	TigerClamp P
1	49990004	TigerClamp D (threaded)
1	49990001	TigerClamp D
1	90002276	Tube of Anti-Seize

Hardware:

16	99371023	3/8" x 1" USS Gr. 8 SHCS	Clamps / Main hoop to mount
4	99371025	3/8" x 1" USS Gr.8 bolt	Main hoop mount reinforcement plate to pinch weld
12	99373005	3/8" Lock Washer	Hoop to lower mount mount/lower mount to plate
32	99371004	3/8" x 1 1/4" USS Gr. 8bolt	Main hoop mount to reinforcement plates/trunk bars
32	99372001	3/8" USS Gr.8 Nylok nut	Main hoop mount reinforcement plates
68	99373002	3/8" SAE flat washer	Main hoop mount / trunk bars
2	49990008	1/2" x 1 1/2" 12 point Gr. 8 bolt	Bar to clamp tab
2	49990009	1/2" Flange nut	Bar to clamp tab



T025-1 Main Hoop Mount



T044 Package Tray Plate



T031 Trunk Bar Plate-Inner



T032 Trunk Bar Plate- Outer



T013 Hoop Plate- Under



T029 Hoop Plate- Inside



T002 TigerClamp Tab



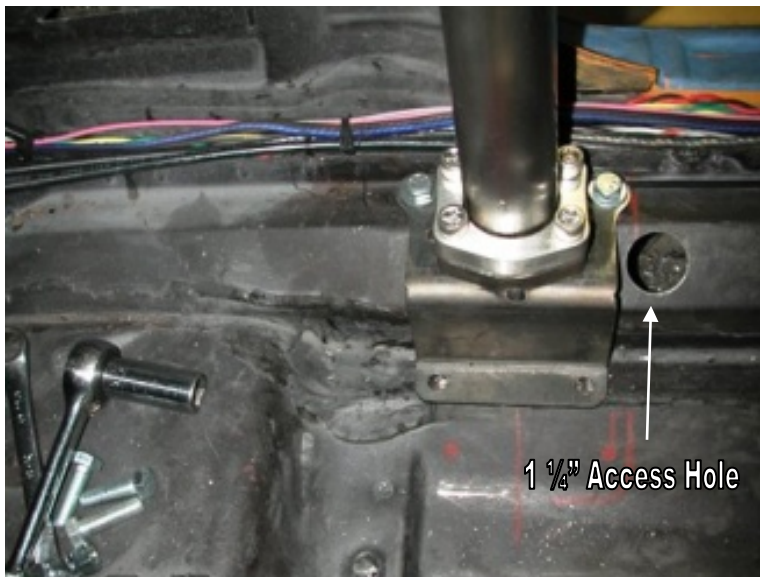
MISC1011 1 1/4" Plug



TIGER CAGE

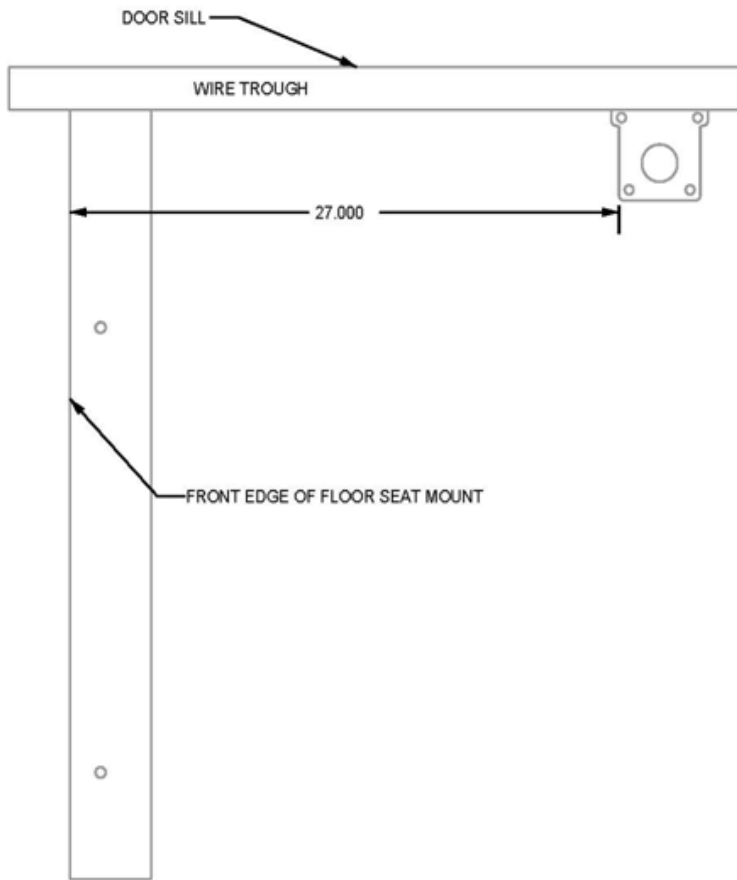
41160000 Installation Instructions

- 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. The first bracket to be mounted needs to be the main hoop floor mount. It should be mounted to the wire trough with the front edge of the bracket exactly 27" behind the front edge of the seat mount.

2. Using the bracket as a template, drill the four holes with a 3/8" bit.



3. The upper portion of the bracket will fasten to the wire trough with a reinforcement plate inside the trough. A 1 ¼" access hole must be drilled ($\frac{3}{4}$ " in front of the bracket and 7/8" from the top of the trough) to slide the reinforcement plate through. Use 3/8" x 1 ¼" bolts, flat washers and lock washers to secure the bracket. A plastic plug is supplied to cover the access hole.

4. Fasten the main hoop to the mounts using 3/8" x 1" Socket Head Cap Screws and lock washers.



5. Secure the lower portion of the bracket to the floor pan with two 3/8" x 1 ¼" bolt, flat washers and Nylok nuts. Another reinforcement plate will be installed under the car. It will also meet up with the pinch weld.

6. Two more 3/8" holes must be drilled through the pinch weld. 3/8" x 1" bolts, flat washers and Nylok nuts will be used here.



7. 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.

8. 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.**



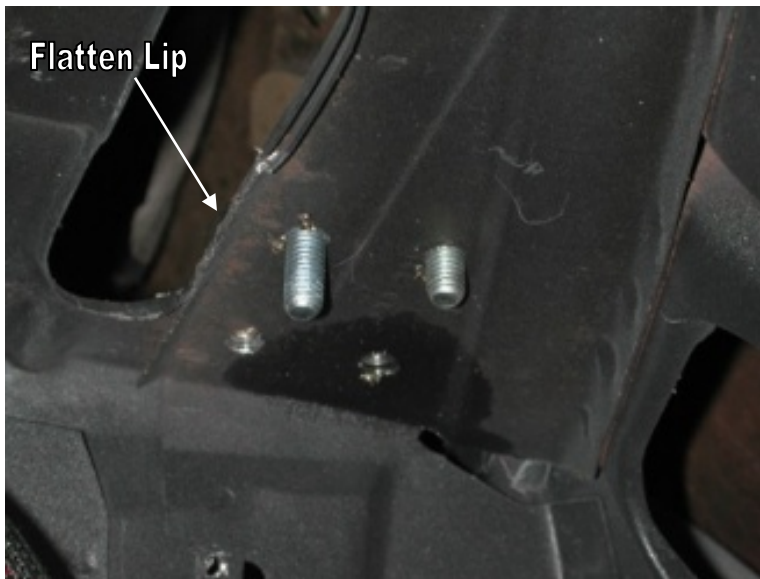
9. The next bar to be installed is the package tray bar.

10. Before installing the bar, use the template on page 7 to drill four holes in the top of the package tray for the bar flange to bolt to.

11. Fasten the clamp to the main hoop with the tab facing rearward. Use clamp D on the driver side and clamp P on the passenger side.



12. The other end of the bar will attach to the top of the package tray. Drop four 3/8” x 1 1/4” bolts with flat washers down through the package tray.



13. The long opening next to the drilled holes has a lip that will interfere with the trunk bar mount. The lip must be flattened; this can be done with a pair of pliers.



14. Bolt the trunk bar mount up to the package tray, use 3/8" Nylok nut and flat washers to secure the assembly.



15. Two 3/8" holes must be drilled through the vertical plane of the package tray to install the reinforcement plate. These holes must be drilled from the trunk. Secure the plate with two 3/8" x 1 1/4" bolts, flat washers and Nylok nuts.

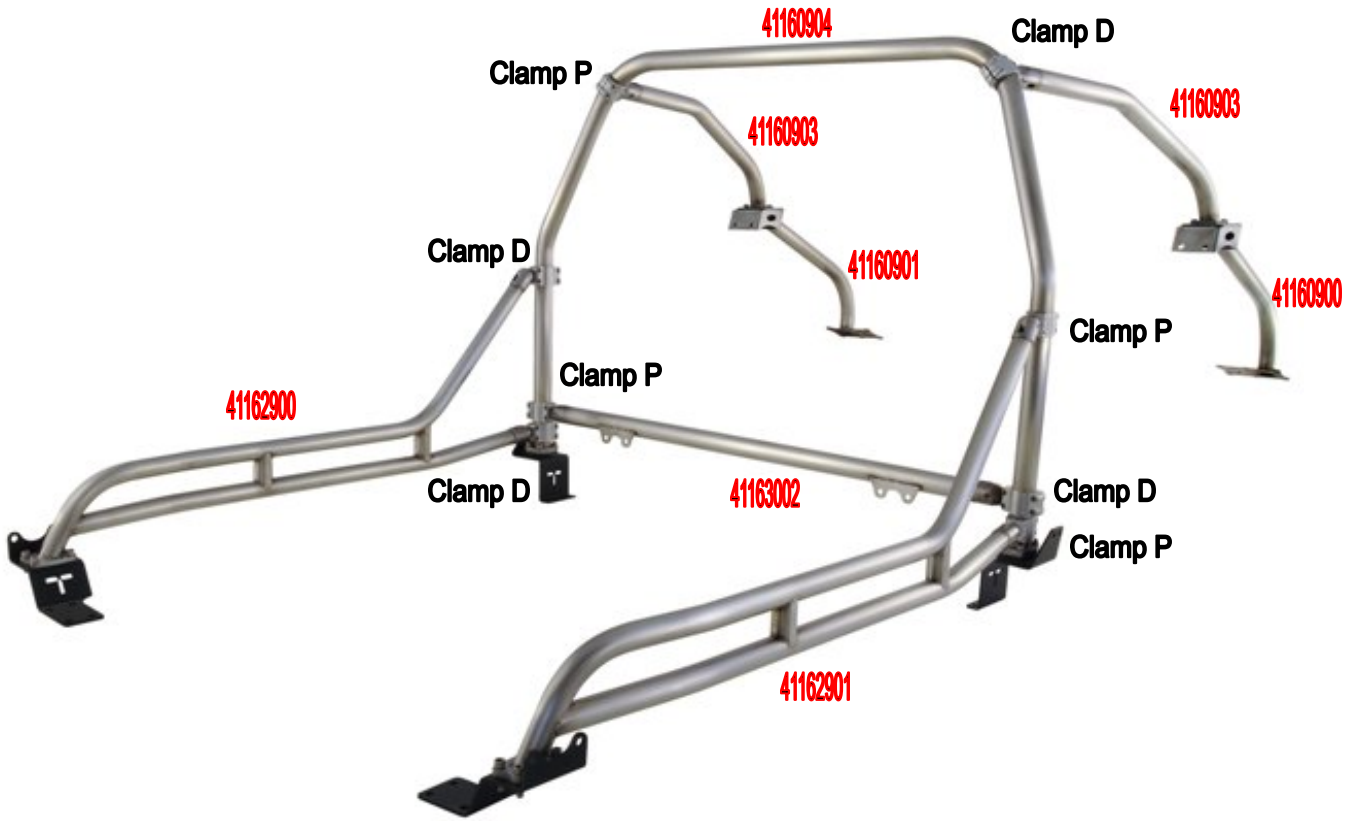


16. The other end of the trunk bar will attach to the trunk floor, straddling the frame rail.



17. Two more reinforcement plates will be installed under the car, one on each side of the frame rail. Six $3/8$ " x $1\ 1/4$ " bolts, flat washers and Nylok nuts will be used.

TigerClamp Location Chart



Package Tray Bar Template

