



Factory Five Racing, Inc.

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| Part Number: 14646 | Revision: <u>A</u> | Effective Date: <u>02/20/07</u> | By: <u>J.Schenck</u> |
| Document Type (indicate): | | | |
| <input type="radio"/> Bill of Material | <input type="radio"/> Drawing (may be attached) | <input type="radio"/> Specification | |
| <input checked="" type="radio"/> Assembly Instructions | <input type="radio"/> Operating Procedure | <input type="radio"/> Other | |

Tow Hook Installation Instructions

I. Parts Included in Kit:

| | | | |
|-------|---|----|-------|
| 14631 | TOW HOOK COMPONENTS | EA | 1.00 |
| 14635 | FRONT TOW HOOK | EA | 1.00 |
| 25619 | 1/2"-20 DEFORMED THREAD, FLANGED LOCK NUT | EA | 2.00 |
| 25620 | 1/2"-20 x 3" FLANGED BOLT | EA | 2.00 |
| 14632 | FRONT TOW HOOK TRIM PLATE | EA | 1.00 |
| 14633 | REAR TOW HOOK TRIM PLATE | EA | 1.00 |
| 14634 | TOW HOOK DECAL | EA | 2.00 |
| 14644 | EYE BOLT | EA | 1.00 |
| 14645 | 1.375"OD x 0.134" THK SPACER | EA | 10.00 |

II. Tools Required:

3/4 inch socket and wrench
1/2 inch drill bit
3/4 inch drill bit
Various small drill bits
1-1/4" hole saw
Drill
Pry bar
Jig Saw or small Hand Saw
1-1/8 inch wrench
Paint marker or silver marker
Dollup of grease or anti-seize
1/8 inch rivets and riveter

III. Installation Instructions

Front Hook

1. The front tow hook attaches on the passenger side of the front X section of the chassis. If you have anything attached in this area it may have to be relocated to make room.



2. Using a flexible ruler or small sheet of poster board or other flexible material you can simulate the arc in the hood and determine the mounting height for the hook.



3. Once you have a height you want, clamp or tape the hook in position and put a dab of grease or anti-seize on the top.



4. Gently set the hood down in place allowing the grease to mark the spot where you will need to cut the slot and then remove.



5. Drill a small hole through the hood at the center of the marked spot and then use the trim plate as a template to mark where you will cut. It is always best to start tight with the hole in case any adjustments are needed.



6. Drill out both ends of the slot with a $\frac{1}{2}$ " drill and connect the two holes with your saw.



7. Set the hood back on the car and make any changes needed to the slot to get good alignment with the hook.
8. Once the hook is lined up with the slot and is at a height where it is easy to attach a hook to with the hood in place, remove the hood and mark the frame for mounting.



9. Remove the hook and drill the two holes. It is easier to do this if you start with small bits and work your way up. Be very careful to keep the drill straight so the bolts will fit through both sides.



10. Bolt the hook in place using the two ½ inch bolts and lock nuts.



11. Set the hood back into position and fit the trim plate. It is set up for 1/8" rivets but can be screwed down to match the hood pin plates as well.



Rear Eye

1. The rear tow eye mounts to the chassis tube that surrounds the fuel cell on the passenger side of the frame. Clear this area of any wires or lines that might be in the way or get caught in the drill.
2. Mark the body on the bottom with two lines, one in line with the edge of the fuel cell and one where the rear floor ties into the fuel cell protection tube.



3. Measure up from the bottom edge of the body to the bottom of the fuel cell protection tube. Add $\frac{3}{4}$ " to this measurement and mark on the outside of the body centered between the two boundary marks.
4. Drill a small pilot hole for the tow eye through the body and frame member. If you are centered on the tube where you would like to be use the hole saw to cut out the body centering on the pilot hole.



5. Drill out the chassis tube starting with small holes and progressively getting larger. Be careful with the larger sizes of bits as they can bite and catch passing through the tube. Your final hole will be $\frac{3}{4}$ " in diameter.

6. Slip the trim plate (if desired) on the tow eye and install it using the spacers to bring it out past the body where a hook or strap can get to it, once in position tighten it using a pry bar through the eye and a little thread locker on the nut.



7. Rivet the trim plate in position.
8. Tow hooks are now installed, use as seldom as possible.

