

Altered Body Rear Hinge Kit

PN 58305-73180

List Price \$ 295.00 +

Racer Decal Discount Price \$ 250.00 +

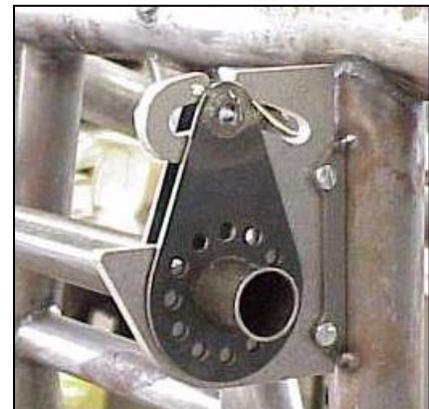
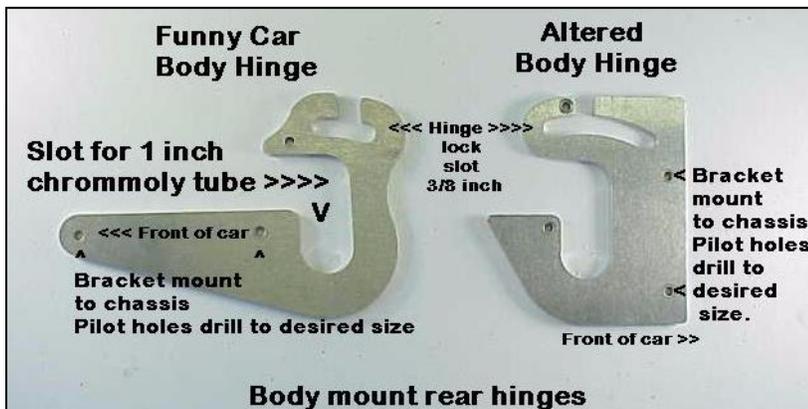
Kit includes

2ea Billet Aluminum hinge lock assembly pn 58305-73186

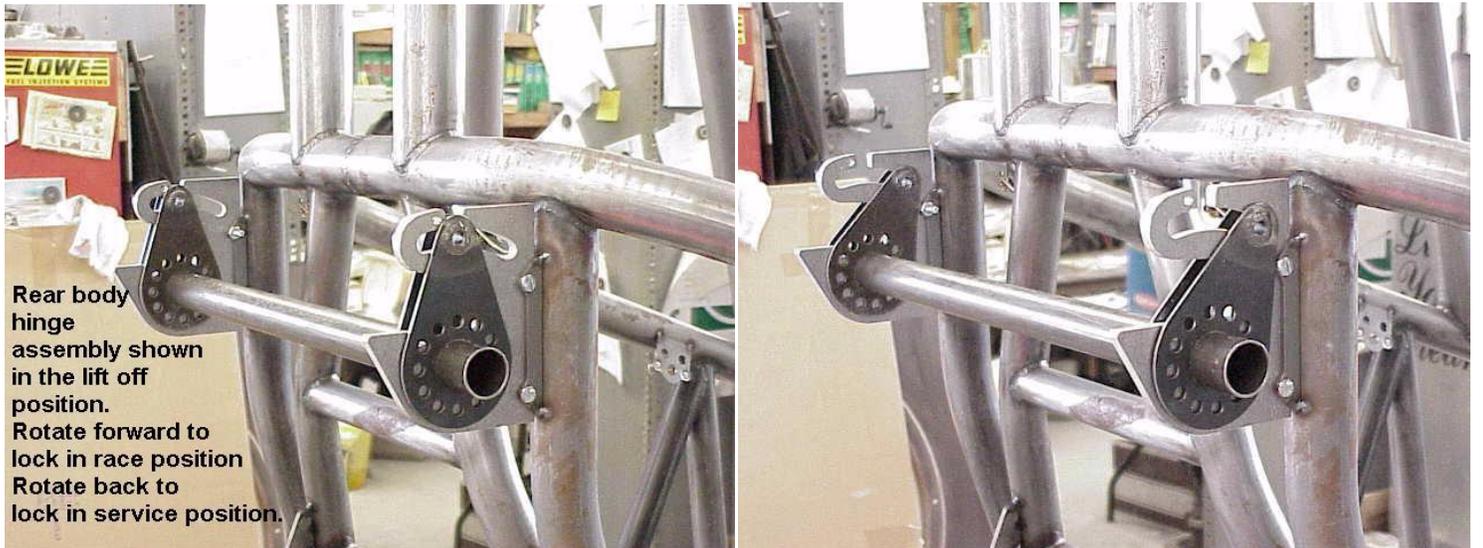
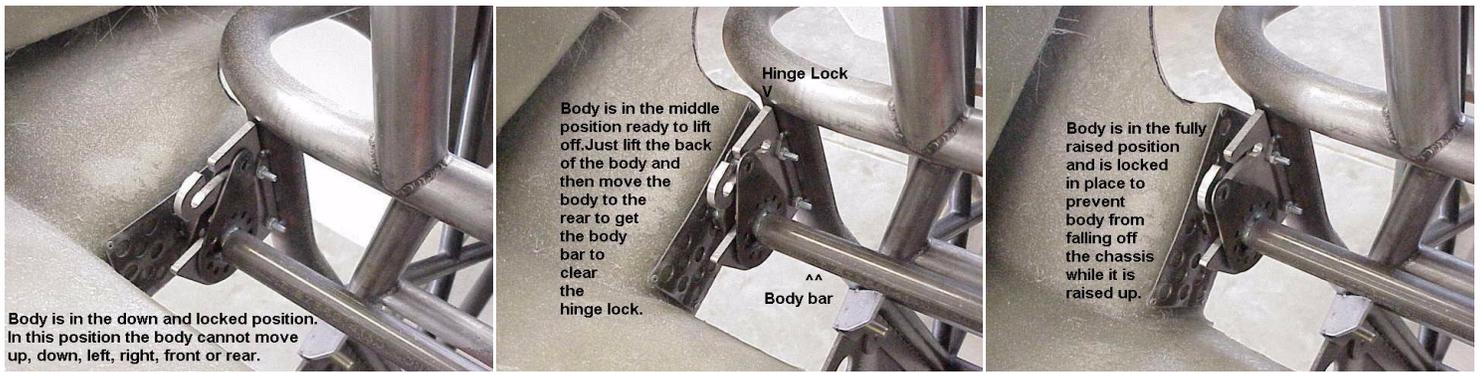
4ea Steel weld tabs to attach the hinge to the chassis pn 58305-73193

4ea Steel lock plates that weld on either side of the billet aluminum hinge lock assembly on to the 1" steel tube. pn 58305 73192

1ea 3/8" tube to be cut and fitted as a hinge lock pin



Tilt body hinge. First photo is the body down in race position. The second (middle) photo is the body in the lift off position. The photo on the far right is the body in the up and locked position ready to work inside the car without removing the body. In both the down (race) position and the work position the body hinge is locked so the body cannot come off the hinge. Only the middle position will allow the body to be lifted off the chassis. Look at the photo sequence below to see how the body hinge locks in both the full up and the full down position.



Instructions

1. Using the aluminium hinges as alignment fixtures cut and fit the 3/8" tube to the steel hinges, leave adequate room to allow the hinges to pivot. To prevent binding leave about 2mm of clearance (total) between the steel hinges and the aluminium hinge plates.
2. Weld the fitted 3/8" tubes into place
3. Bolt the steel hinge chassis mounts to the aluminium hinges
4. Tack the hinge mounts to the chassis – insure the hinges are parallel to each other
5. Trim some thin steel plate (1.0-1.6mm) to suit the area where the hinge will be fibreglassed into the body. Make some one inch holes in these mounting plates so the fibreglass can "attach" the mounting plate to the body.
6. Using clecos or a couple of 1/8" pop rivits (you will prefer clecos) position the mounting plates into the body. This is a temporary hold as they will have to be removed in a few steps

7. Measure where the one inch chrom moly tube will sit in the body on the hinge mounting plates and cut the chrom moly tube to fit.
8. Slide the one inch chrom moly tube through the hinge plates. Rotate in back and forth to insure the movements are smooth and has not binds.
9. Now that the body mounts are held into temporary position, the hinge tube is the correct length and the chassis mount tabs are tacked on to the chassis and the aluminium plates are bolted to the chassis tabs, now lower the body over the chassis and on to the hinge tube. Once this is done insure the body is centralized to your satisfaction.
10. Once the body is in the correct position carefully tack the hinge tube to the body mount plates. Once again check the body mount position and insure the hinge plates do not pinch the aluminium hinge plates and are parallel to the hinge plates, now tack the hinge plates to the hinge tube.
11. Now that the steel hardware is all tacked together remove the clecos or your 1/8" pop rivets and remove the body, carefully to not to disturb your tack welds.
12. Lift the hinge rotating assembly out of the hinge brackets and final weld. Fully weld the hinge tube to the body mounts. The hinge plates may be full welded but you might find several half inch long welds will be more than adequate for this.
13. Final weld the hinge brackets to the chassis.
14. Install the fully welded hinge assembly into the body again using your clecos or rivets and lift the body onto the chassis and sit it in place, rotate the body up and down to insure all movements are clear and correct.
15. Once you are satisfied with the operation of the hinge the body can be removed from the car and the hinge plates be fibreglassed into the body.
16. Congratulations on your very special hinge kit installation.

We have made every effort to insure the accuracy and clarity of these instructions. If you find an error or the instructions are not clear please let us know so we can improve them.