

TKOSROD1285K 5th GEN VIPER RACING SEAT WITH DRIVER HEAD CONTAINMENT (ALUMINUM RACING SEAT INSTALLATION)

INSTALLATION INSTRUCTIONS
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Not recommended for electric adjust seats. If you have electric adjust seats, you will need to remove the electric motor assembly to install this part.

STEP 1. Removing the factory seat and the sliding rails from the vehicle

-Lift the seat to the highest position and disconnect the airbag sensor underneath the seat (**only on the passenger side seat**). See Fig. 1. Installing the racing seat on the passenger side will cause the passenger side airbag to be inactive. The passenger side TKO Motorsports Racing Seat is recommended for on track or off-road racing application only.



Fig. 1

-Use a 15mm socket to remove the (2) bolts in front, securing the sliding rails to the floor of the vehicle. See Fig. 2.



Fig. 2



Fig. 3



Fig. 4

-Slide the seat forward and tilt the seatback to the forward position to allow for an easier access to the (2) nuts in the rear securing slide rails to the floor of the vehicle. Use a 15mm socket and extensions to remove the nuts. See Fig. 3.

-Disconnect the seatbelt receiver wiring harness from the plug connector and remove the seat from the vehicle. See Fig. 4.

-At this point, it is also recommended that you install carpet spacer plates onto the seat base mount. See Figs. 5A-5D.



Fig. 5A



Fig. 5B



Fig. 5C



Fig. 5D

Recommended but not necessary

-In order to get the seat as low as possible, cut a line in the carpet approximately 4 inches in order to pull the carpet up and access the sound deadening material beneath. Remove the sound deadening material that interferes with the seat mount. See Figs. 6-7.



Fig. 6



Fig. 7

-There is a small stud that the seatbelt wire harness tap was on, either clip it off or hammer it down flat. It is no longer needed and will make the installation easier. Then, move the wiring harness out of the way in preparation for the seat and mount to go in. See Figs. 8-9.



Fig. 8 - knock over wire route pin



Fig. 9

STEP 2. Installation of the racing belt mount bracket

-Install the racing belt mounting bracket onto the seat base mount in your Viper and install the M8 stud plates. See Figs. 10-15. M8 stud plates are necessary for proper racing belt mount installation. The racing belt mount and seat base already have holes in them, you will only need to drill the floor pan of your Viper. Use a .328 dia drill bit (8.3mm).



Fig. 10



Fig. 11 - drilling holes for M8 stud plates



Fig. 12



Fig. 13 - m8 stud plates supplied in kit



Fig. 14 – check the installation of the M8 stud plate on the driver side underside of the Viper



Fig. 15 - Viper ACR models with diffusers, you will have to notch out the front edge of the carbon fiber diffuser strake mount to install the M8 stud plate on the inboard side. Check the fit before the final installation.

STEP 3. Racing belt installation and checking the fit

-Prior to the final installation, you must check the fit of your racing belts and adjust them as needed. It's much easier to adjust the belts before you do the final installation of the seat and belt mount. Install the racing belts onto the belt mounting bracket on the bench first, then install the bracket and belt onto the seat mount in the car to check the fit of the belts. You can also install the shoulder belts at the same time. You will need to install and have the driver sit in position to adjust the lap belt, sub straps and shoulder belts correctly. See Figs 16A-16C.



Fig. 16A - Make sure you install the cam lock side on the inboard side of the belt mounting bracket. The cam lock on the inboard side is recommended to reduce the risk of damage to the threshold plate and rocker damage when disconnecting the belts.



Fig. 16B - shoulder belts and red spacer plate



Fig. 16C - red spacer plate and shoulder belt installed
7/16-20 bolts are used to install shoulder belts,
use Loctite blue 242 on all belt mounting bolts



Fig. 17

The shoulder belts will pass the Viper seats with the shoulder belt routes. Viper seats without the shoulder belt routes simply route over the seat on the left and right side.



Fig. 18A



Fig. 18B

Lap belt mounting, use Loctite blue 242 on all belt mounting bolts



Fig. 19 - Lap belts and sub straps installed, racing belt mounting bracket installed onto the seat mount and ready for the seat to be installed to adjust the belts prior to the final installation. Some factory Viper seats come with sub strap routes in the base of the seat. If your factory seat has no sub strap routes, you can route the sub straps around the front of the seat.

STEP 4. Installing the seat belt simulator

-You will no longer be using the factory seat belts. It will be necessary to install the seat belt simulator provided in your hardware kit into the original factory seat belt latch. Zip tie the latch and stow the latch neatly away behind the seat. See Figs. 20-2.



Fig. 20
Seat belt simulator installed into the seat belt latch



Fig. 21
Seat belt latch tied up and tucked behind the bracket

STEP 5. Adjustments

1. It may be necessary to adjust the belts at the mounting point double D rings after a couple of track days. You will have to remove the seat again to perform this adjustment.
2. Your belts should be pulled tight before you go out on track. Belts should be tight, slightly uncomfortable and hold you in the seat firmly when adjusted correctly. If you are uncertain how to adjust the racing belts, please consult a professional.