Hutchens Hybrid Helmet Quick Release Helmet Anchor & Tether Installation Instructions

Helmet Quick Release Anchor Attachment

The Hutchens Hybrid Head and Neck Restraint comes with all of the parts to attach the Helmet Quick Release Anchor to the helmet.

Supplied are:
(2) M6 screws
(2) M6 Nut-Washers not used in SAH2010 or FIA 8858-2010 certified helmets
(2) Quick Release Helmet Anchors (Rt and Lt)

SAH 2010 and FIA 8858-2010 Helmet Anchor Instructions

If your helmet has already has a pre-drilled and threaded insert in the helmet that is intended for Head Restraint Anchorage, simply attach the Quick Release helmet anchor to the helmet by threading the included M6 screw through the helmet anchor and then into the threaded insert in the helmet.

The Quick Release Helmet Anchors are handed, the pin opening needs to be pointed toward the back of the helmet on each side. The anchor needs to be angled downward from the helmet at about 40 degrees down. With this orientation, the Safety Solutions logo should be level on the side of the helmet. When tensioning the screw, hand tighten until secure and then add an additional ¼ turn to tension.
Helmet Tether Replacement

The helmet tether assembly for the Helmet Quick Release version is replaceable on the Hutchens Hybrid Head Restraint. To assemble a new Tether assembly:

1) unscrew the four screws attaching the tether tie plates on the back side of the restraint.

2) Center the back tether strap and reassemble the tie plate screws to hold the tether secure to the device.

3) Attach the front tethers to the 3-bars under the front shoulder pads of the device. Be sure to lace the free end through the 3-bar twice to lock it down.

Hooking up the Helmet Quick Release System

To attach the restraint tether to the helmet Quick release, pull down on the yellow release tether to open the slot for the tether end fitting to slide into. Release the yellow release tether allowing the pin to slide through the hole in the tether end fitting.
Attaching the Helmet Anchor to a helmet without holes in them

If your helmet is not drilled for head restraint anchors, you will need to locate and drill them yourself or contact us for installation. (800-731-4404)

To locate the helmet anchor holes: Find the center of the helmet by:

1) Place a piece of masking tape at the center of the rear of the helmet, (estimate) Mark the center of the tape 1.75” above the bottom of the helmet.

2) Measure from the helmet visor screw to the marked centerline on the right side of the helmet.

2a) Mark the left side of the helmet by using the measurement found in step 2 for the right side. Measure from the left side visor pivot point to the mark in the rear of the helmet. At the same distance as on the right side, mark on the tape on the rear of the helmet vertically, 1.75” above the bottom ridge of the helmet.

3) You should have two marks on the tape on the back of the helmet. Measure the distance between the two marks. The center of the two measurements is the center of the helmet.

4) Measure from the new centerline around the helmet 5.5” (+0.5 / -0.0). Mark this spot 1.75” above the bottom of the helmet. Repeat the procedure on the opposite side of the helmet.
5) Drill the helmet using a 1/4” drill at the point marked in step 4.

6) Clean the hole in the helmet as much as possible. Put a medium strength thread locker on the Nut-washer and place it on the inside of the helmet under the hole. Thread the screw from the outside of the helmet through the Helmet Anchor and into the helmet and Nut-Washer.

7) Tighten the helmet anchor screw by hand until it seats. Add a ¼ turn after this to tension the screw assembly. Over tightening is not necessary and could damage the helmet shell.

1-800-731-4404