

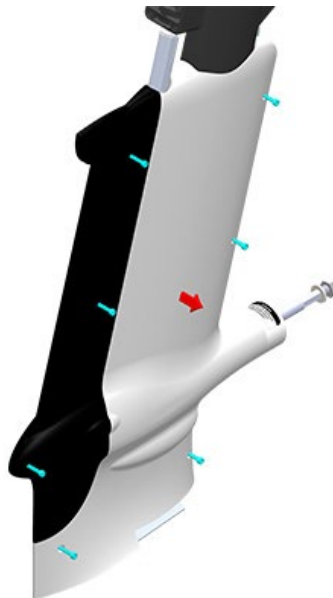
This tutorial shows how to remove the Strut Cowling with Cooling Hose from your XE-1

1. Removing the Strut Cowling with Cooling Hose

TOOLS REQUIRED

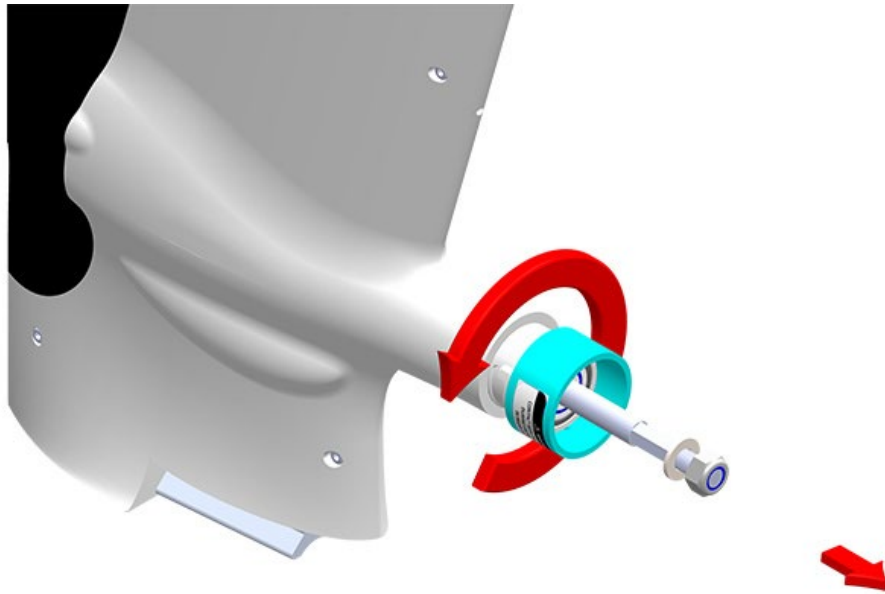
ID	Description	Task
	M 3 Hex Key	Loosen M4 Cap Screws

1.1 Remove the seven M4 cap screws from the RH side of the Strut Cowling [Tools: M3 Hex].



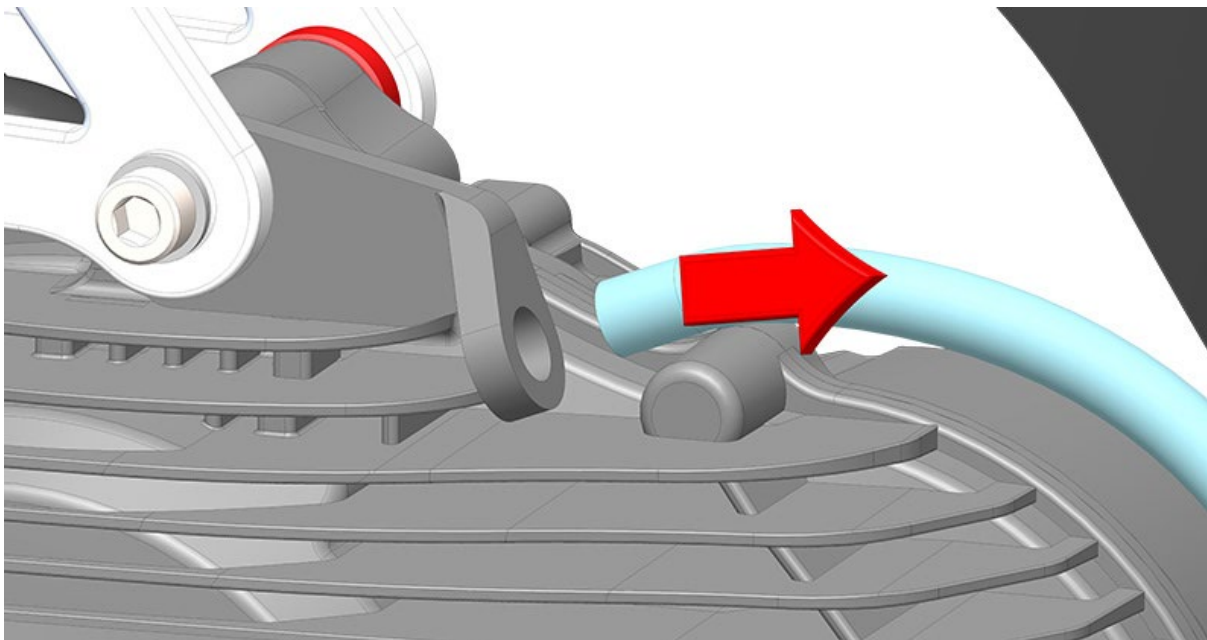
INFORMATION : The seven M4 Nylock Nuts positioned in the hex shaped pockets on the LH Strut Cowling can fall out. Secure the nuts or remove and store them safely.

1.2 Unlock the Strut Collar by rotating anti-clockwise through 70 degrees. Remove the Collar by sliding it forward over the Propeller Drive Shaft.

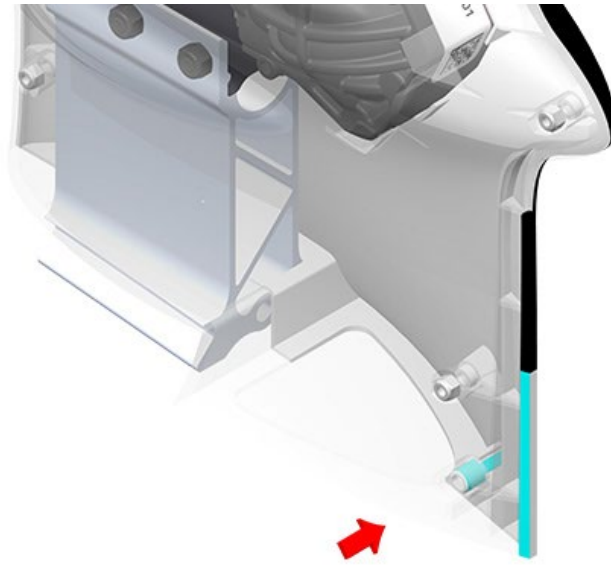


CAUTION: Do not use pliers to remove the Strut Cowling Collar as it may cause damage to the component. The Collar is easily rotated by hand and can be removed with little force.

1.3 Pull the Cooling Hose backwards so that it is free from the Cooling Outlet Bracket.



1.4 With the screws and Strut Cowling Collar Removed, the two Strut Cowling halves (LH & RH) is held to each other only by being clipped together at the bottom trailing edge of the Strut Cowling. Unclip the RH Strut Cowling by pushing the Cowling Halves apart at the bottom of the trailing edge.



INFORMATION : The LH Strut Cowling is transparent in the image to show the mating boss feature of the clip on the RH Cowling.

1.5 Remove the RH Strut Cowling and support the LH Strut Cowling as it is only held from falling by the Cooling Hose being routed through behind the Lower LH Motor Mount Bracket.



1.6 Pull the Cooling Hose out from behind the Lower LH Motor Mount Bracket and remove the LH Strut Cowling, exposing the Top and Bottom Gearboxes with Vertical Drive Shaft.



INFORMATION : Removal of the Strut Cowling provides access to the Top and Bottom Gearbox, Vertical Drive Shaft, Bayonet (Frame to Foil attachment) and Propeller Drive Shaft Assembly.