



## Fitting instructions for sputter insert Q150T

Check the machine is not operating.

Pull the Silver Knob on the top cover to release the latch.  
Lift the top cover and lay back against its stop.

Turn the two silver securing catch knobs to release the installed insert and remove the insert.

Note! If the insert is a carbon rod type you may have to remove the rods first. To do this check that the silver securing catch knobs are restraining the insert and open the lid assembly and lay back against the top cover assembly. Then, using a 2.5mm hex key, release the rod clamping screws and withdraw the rods. Close the lid assembly and release the insert by turning the silver securing catch knobs. Now remove the insert.

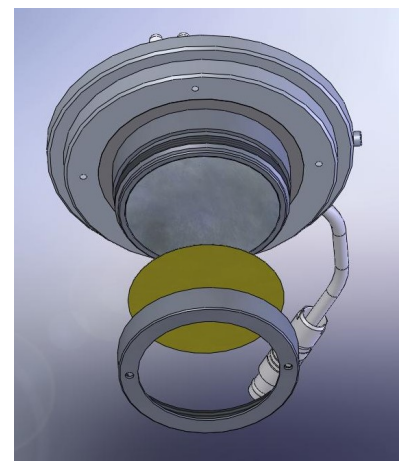
Prepare the sputter insert for installation by removing from any packaging, plastic bags etc. Check the 'O' ring in the outer ring of the lid assembly for damage or debris and clean or replace as required. Then place the insert in position in the outer ring of the lid assembly carefully locating the M3 screw head in the rim of the insert in the slot to the right of the outer ring. Lock the insert in position by turning the silver securing catch knobs until their flanges overlap the insert.

Plug the connector on the end of the sputter insert lead in to the socket on the hinge assembly.

To fit a target to the sputter head first open the top cover assembly and lay back against its stop.

Wearing latex gloves, unscrew the target clamp ring and hold a new target in place on the holder with one finger through the clamp ring. Screw the clamp ring firmly back in place. The target should be held concentric to the holder.

Close the top cover assembly and press firmly down to secure the

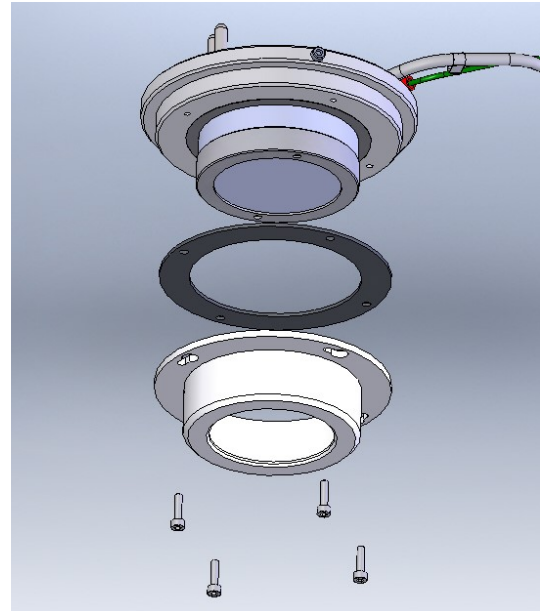


latch.

Should a thicker target from standard (0.3mm) be fitted a spacer ring should be employed to maintain the correct spacing between the target clamping ring and the dark space shield.

Two such rings are supplied in the accessory kit and are 1.5mm thick.

Either one or both may be fitted to maintain a clearance of 1.5mm between the target clamping ring and the inside adjacent face or the dark space shield.



When fitting the spacer rings to a Q300TT or TD the same procedure as above may be followed except, of course, there are three times as many parts.

**Note!**

Earlier units were supplied with either M3 x 6 screws or M3 x 8 screws. These are too short and should be replaced with M3 x 10 screws. (Supplied in the accessory packs of later models).

Current units (2011) are fitted with M3 x 12 screws which are suitable for all normal target thicknesses with or without spacing rings.

