Camera Enclosure Data Sheet

Front Collar (Al):
- Outside diameter: 2.75”. Thickness: 0.3125”
- Four counter-bored #4 through holes on the front surface

Front End Cap (Al):
- Outside diameter: 2.75”. Thickness: 0.7499”.
- Uses #226 o-ring for bore seal with the aluminum hull
- Uses #112 o-ring for face seal with the sapphire lens
- Four tapped #4-40 screw holes are located on the lateral surface for mounting to the aluminum hull.
- Four tapped #4-40 screw holes are located on its flange for mounting to the front collar.

Aluminum Hull (Al):
- Outside diameter: 2.5”. Inside diameter: 2.25”. Length: 5.6875”
- Four #4-40 tapped holes on both ends, being 90 degrees to each other. These holes are to mount the end caps with set screws.

Rear End Cap (Al):
- Outside diameter: 2.75”. Thickness: 0.7499”.
- Uses #226 o-ring for bore seal with the aluminum hull
- An off center 7/8”-14 tapped hole for firewire cable connector
- Four #4-40 tapped holes on the lateral surface for mounting to the aluminum hull
- Three #4-40 tapped holes on its flange for mounting to the vehicle frame
- Four #4-40 tapped holes on its front surface for mounting to the bulkhead frame

Front Bulkhead (Delrin):
- Contains four M3 through holes for mounting to the camera
- Contains four #4-40 screw holes for mounting to the aluminum beams

Middle Bulkhead (Delrin):
- Contains four #4-40 screw holes for mounting to the aluminum beams

Rear Bulkhead (Delrin):
- Contains four #4 counter-bored through holes for mounting to the rear end cap
- Contains four #4-40 screw holes for mounting to the aluminum beams

Aluminum flat beams (Al)
- Length: 2.9757”. Width: 0.5”. Thickness: 0.125”
- Contains #4 through holes for mounting to the bulkheads.