D2 Installation Kit for Canon VB-R11 Camera   # KT-VBR11   by Dotworkz, Inc.

This Kit Contains:

- Lens Adapter Bracket with Seal & fasteners
- Dotworkz Circular Camera Installation Bracket for VB-R11 Camera & fasteners
- Aluminum Support Brackets for VB-R11 & fasteners

1) To Retrofit Canon Lens Adapter into Existing D2 Housing, then you must first remove Dotworkz Dome Bubble from D2 Housing. Remove by unscrewing the 12 Phillips head Screws that are holding D2 Dome Bubble into place. This is done by unscrewing each of these twelve Philips head screws counter clockwise.
Save these Fasteners with integrated Sealing Washers to secure Canon Dome adapter back into place.

2) Re-Use existing D2 Dome's Seal that already stuck into place on D2, unless it is damaged.
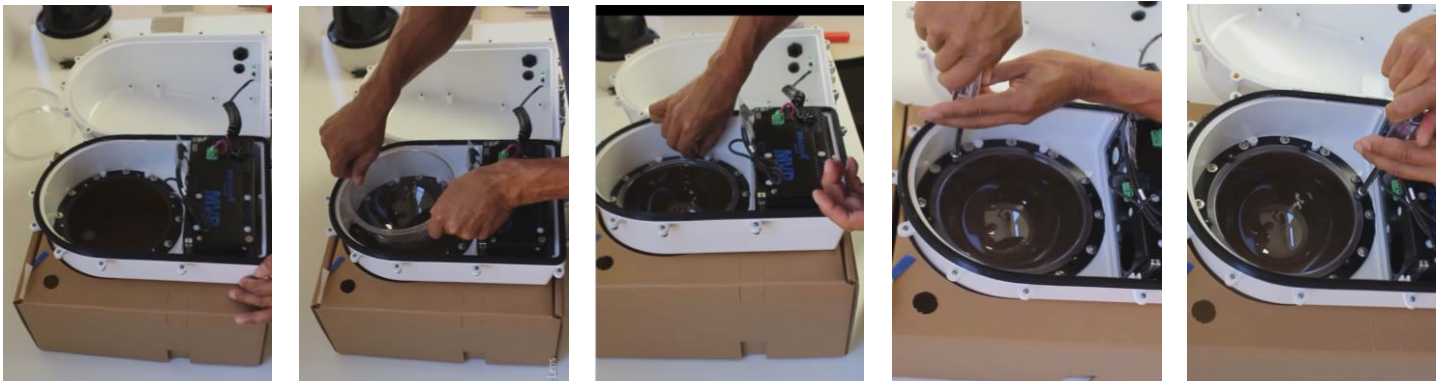If needed, replacement Silicone IP68 Lens Seals for D2 are available from Dotworkz as part # RP-LG12.

3) Install Canon Lens Adapter over Dotworkz Lens seal. The Lens Adapter has 6 threaded studs integrated which will face up, along with a foam gasket goes up, that is pre-Installed onto bracket.   This smaller foam seal will seal the Canon Dome bubble that will be installed in next steps.
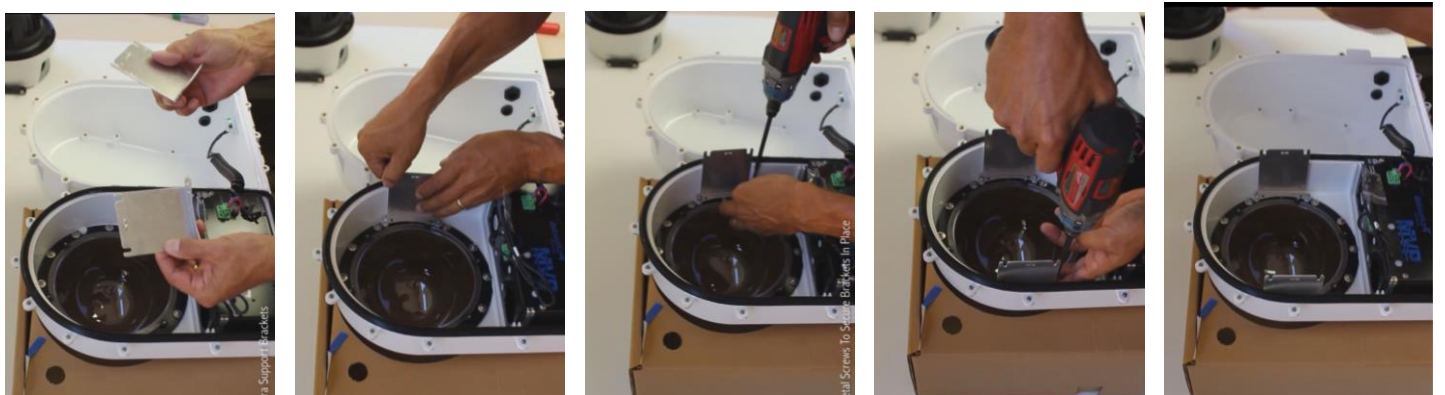Secure Conon Lens Bubble Adapter by re-using the twelve #6 x 5/16" long Screws & washer removed from Dotworkz Dome bubble removal.
** Be sure NOT to overtighten these fasteners, but secure gently but firmly using 3 fingers to tighten. Using your palm or an electrical driver may strip the inserts for these fasteners so do this step by hand.

4) Install Canon Dome bubble down into adapter while carefully avoid letting the Canon Dome Bubble to touching sides of bracket Adapter while inserting. Protect Dome bubble from scratching Using its plastic film as well as a soft rag so as not to damage its optical surfaces.
Seat Canon Dome bubble on seal surface & being caged by six #6 threaded fastener studs, then secure with six #6-32 black Flange hex Nuts provided with Kit. Gently but firmly tighten all 6 nuts securely into place

5) Install Two Aluminum Side camera support Brackets on 4 raised stand offs built into D2 Lens perimeter as shown. Short bend side goes down & bend faces in toward center of dome hole. In existing housing these stand offs have #8 Threaded studs. Use #8-32 hex Nuts to secure brackets into place.
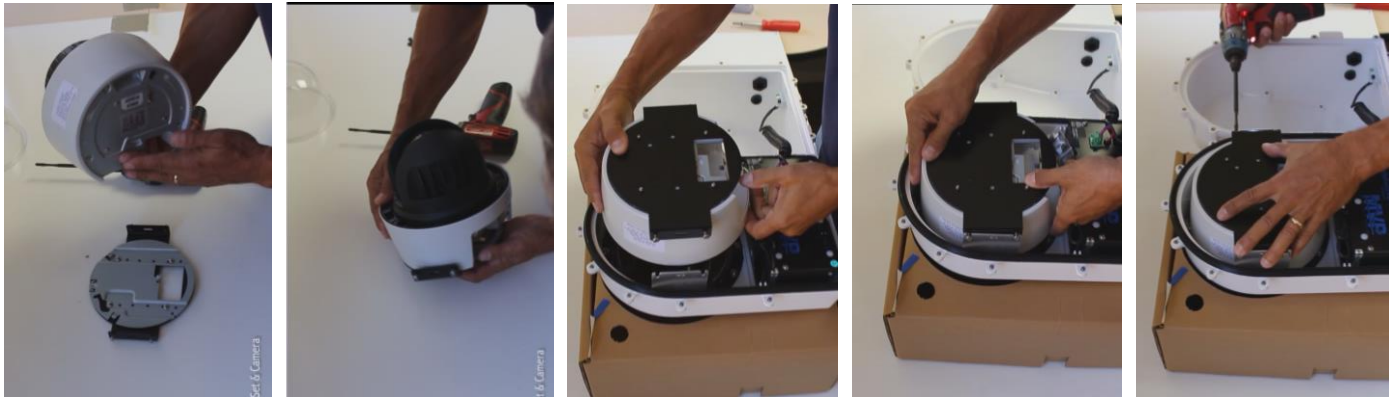
Another option to secure these camera support brackets is as follows:
Remove four of these #8 threaded studs that are actually "hanger bolts".
This can be done using "long nose" Vise Grip tool and turning the metal threaded studs counter clockwise to un-thread them from plastic stand offs in housing.
The camera support brackets can then be installed and secured using #8 x 3/8" sheet metal screws (provided).
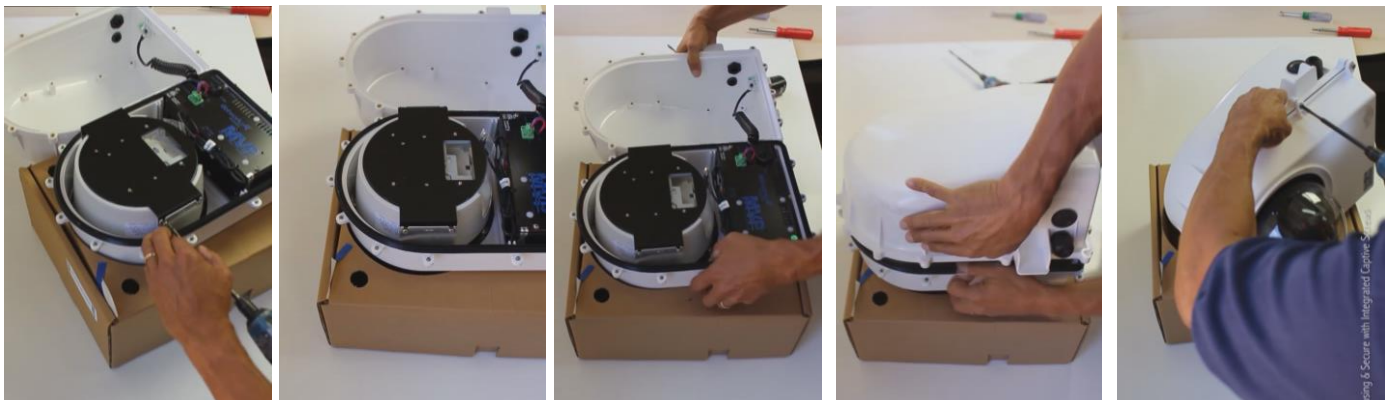

6) Install grey VB-R11 Camera Bracket onto Dotworkz black Bracket by aligning as shown with bent sides on Dotworkz bracket facing UP.
Use four #8-32 x ¼" long machine screws to fasten four aligned corner holes on both brackets and securing firmly in place as shown.

7) Now Attach & secure all Power, Ethernet & other wiring <u>to camera</u> (not shown) to prepare to mating camera into housing

8) Then, mate VB-R11 camera onto Camera Bracket Assembly (as shown above) using twist lock motion as described in Canon Install manual and be sure camera "clicks" securely into locked position.

9) Install Canon camera Into Dotworkz camera support side brackets as shown. Two #8 machine Screws are pre-installed on each side of dotworkz camera bracket & will slide into mating slots on aluminum side brackets and lock into place. Tighten each of four #8-32 screws that are pre-installed onto sides of Dotworkz camera bracket to securely finish camera mounting.

10) Camera Mounting is complete. Now finalize all power, Ethernet, and any other interface wiring required for camera installation and connections as well as cable and management inside housing.

11) Carefully closes housing as to not pinch any wires into seals or other closing surfaces. Fully Seal D2 Housing closed by screwing secure all external #10 fasteners around perimeter of D2 Housing. Tighten Cable Gland Port Seals to finalize a fully watertight sealed housing installation.