



## 335D/X5D ASV Elbow Instructions

**\*\*Recommended conditions for Loctite bonding are room temperature or warmer and at least several hours to cure. Please plan your install accordingly\*\***

- 1) Remove engine cover over top of ASV. (On X5 models move the aluminum crossbar out of the way by removing 4 bolts, unclipping cable and sliding away from ASV area.)



- 2) Using Dremel or cutoff wheel, carefully cut factory clamp that holds boot cold side charge pipe



- 3) Unclip ASV electrical connector (circled). Pull quick-release clip outwards from hose and slide factory connector off of ASV. Push clip back in to pull off completely. Remove elbow from cold-side pipe as well.



- 4) Using brake-clean, carb cleaner or similar, clean off any oil from cold-side pipe end and ASV end.
- 5) Use included scotchbrite pad to prep ASV end for installation. After surface is clean, wipe off any remaining residue with cleaner.



- 6) Apply Loctite to leading edge of ASV fitting completely around as pictured (the tube may require some persuasion to get Loctite out but it contains enough for the application).



- 7) Slide ASV fitting onto ASV while twisting, this will insure good coverage/bonding. Be careful to keep the fitting straight. Slide fitting on until the angled section fully seats as shown.



- 8) **Allow ASV fitting to cure undisturbed for at least 30 minutes.**
- 9) Place clamps around cold-side charge pipe and ASV fitting. Silicone elbow will be fed into clamps as it is installed.
- 10) Lubricate both ends of elbow with silicone spray or petroleum jelly to ease installation. Push elbow fully on to cold-side charge pipe (up to the lip). To aid putting the elbow onto the ASV it can be rotated while feeding it onto the fitting. A hooked or looped tool may also help in getting the hose started around the fitting. Place clamp over the hose as it is pushed on.
- 11) Push ASV elbow so that it is fully square on the fitting and the fitting is no longer visible. As clamp is tightened make sure that there is not any interference with the clamp body and surrounding areas. Do the same for the cold-side end.
- 12) Replace engine cover (and brace on X5 models) and make sure there is no contact between the engine cover and the silicone elbow. If there is contact plastic may need to slight trimming/sanding.



- 13) Enjoy!