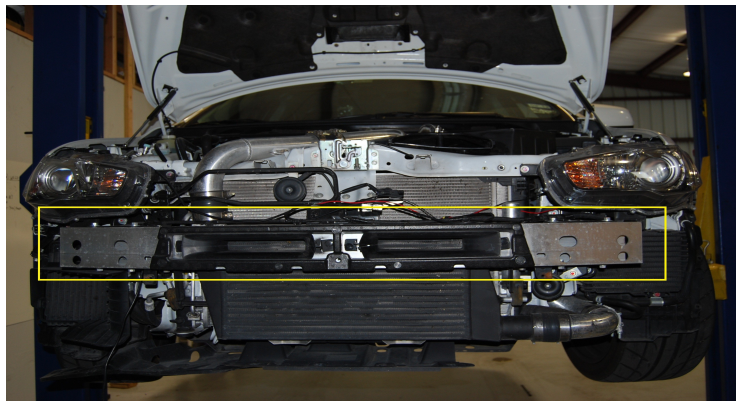




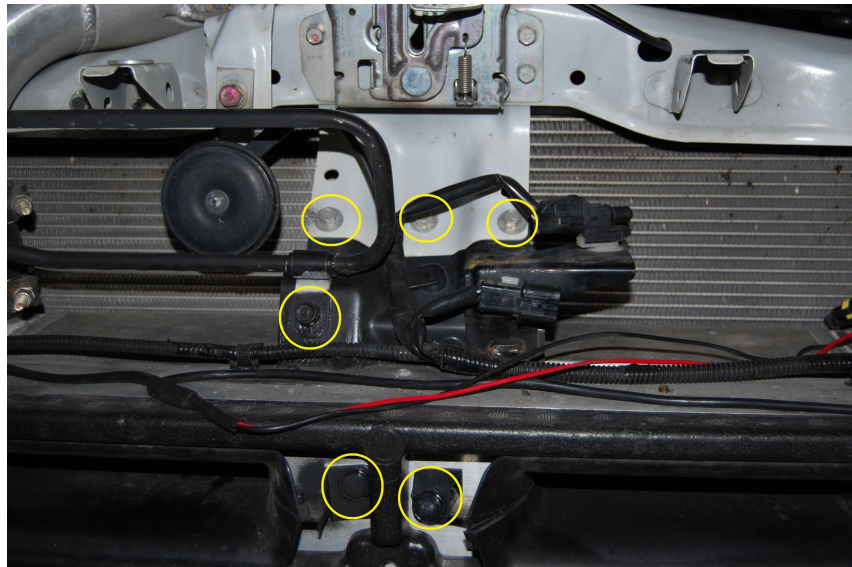
8967 Gilder Rd., Ste. A
Houston, TX 77064-1286
281-890-4772 sales@kozmicmotorsports.com

K27 “TX Race Series” EvoX Catch Can Kit Installation Guide

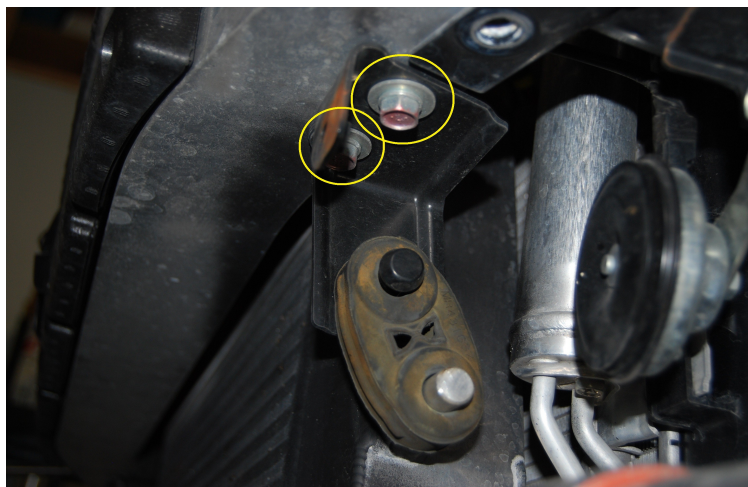
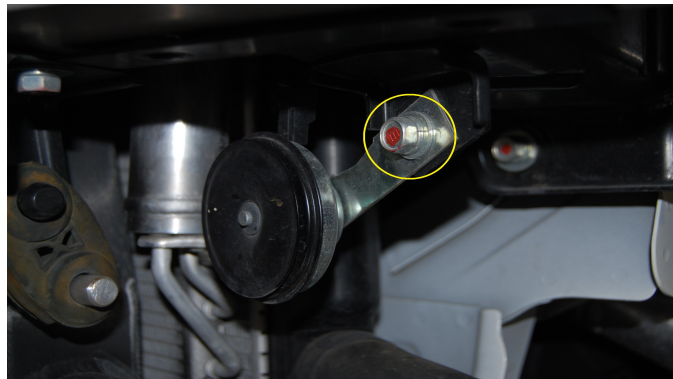
- 1. Start by removing the front bumper. From here we will be removing the front crash beam.**



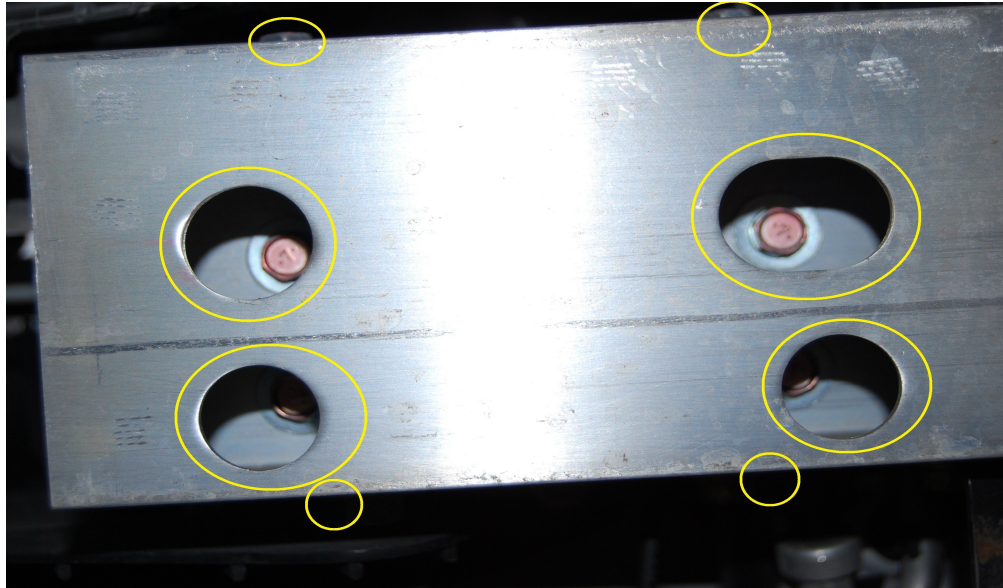
- 2. Remove the foam and plastic air ducts from the front of the crash beam to expose all of the bolts to remove the crash bar.**
- 3. Start by disconnecting the wiring harness that runs on top of the crash beam from any sensors. You will need to remove this harness from the crash beam, not off of the car, just off of the beam. It uses push in clips, carefully remove these with a screw driver or pliers.**
- 4. Next we are ready to get the crash beam off of the car, remove the two 12mm bolts holding the powersteering cooler on the beam, followed by the 3 – 10mm bolts holding the core support to the beam:**



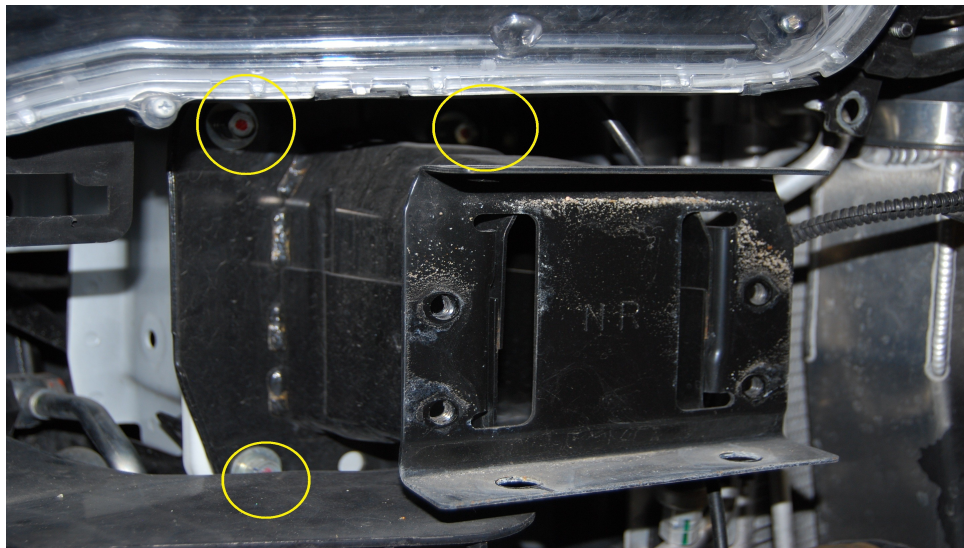
5. Next we need to remove the bolts holding the intercooler hangers to the crash beam, as well as the horn. These are all 12mm.



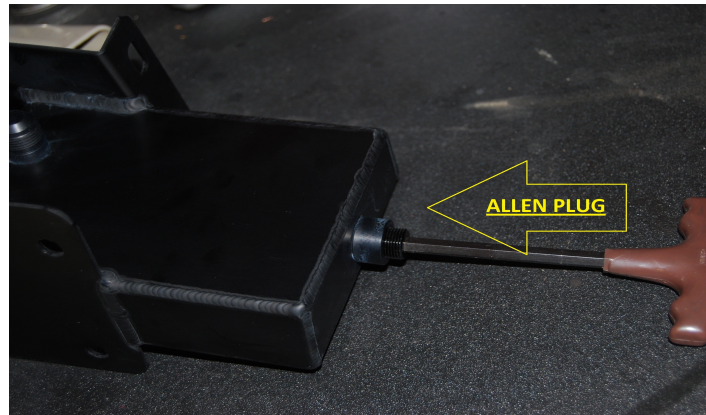
6. On each end of the crash beam where you removed the foam pads, you will find 4 holes, in them are 12mm bolts holding the beam to the brackets, remove those (these will not be reinstalled on the new brackets or catch can) as well as the 2 bolts on the top and bottom of the beam that mount it to the bracket.



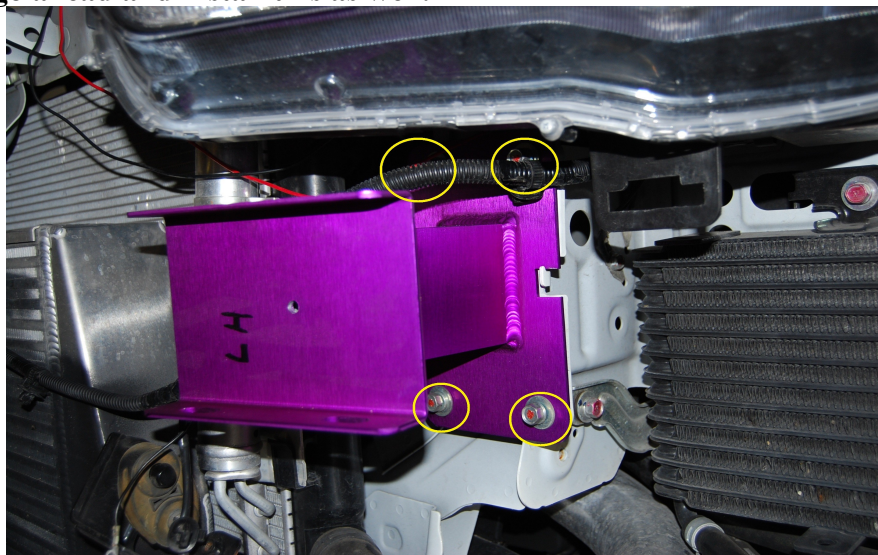
7. Once you remove all 8 – 12mm bolts on each end of the crash beam, it can now be removed from the car and set aside. Now you can unbolt the OEM bumper brackets and take them off as well, these are bolted up using 4 – 12mm bolts.



8. Now it is time to assemble the catch can itself. Thread the NPT plug in the bottom of the can (drain fitting), it is recommended to use some thread sealant on this fitting. Next you will install the filter on the top of the can, using the provided worn gear clamp. Once you get those taken care of, it is ready to be installed on the car.



9. The can is installed using the same 4 – 12mm bolts that held the OEM bracket in (see above picture). If you purchased our matching driver's side lightweight bumper bracket, you can go ahead and install this as well.



10. You are now ready to install the bumper beam back onto the car. As noted earlier, you will NOT be using the 4 bolts that ran “into” the old bumper brackets from the front, only

the 2 mounted on the top and the 2 on the bottom will now secure the beam to the car. Plug in your electrical harness and secure all clips, as well as install the 12mm powersteering bolts and 10mm core support bolts at this time.

11. The next task of installation is the line kit. On the aluminum valve cover engines, we have designed our own fitting to adapt the OEM valve cover to have 10AN outlets without welding. First, remove the front hose on the valve cover that attaches to the intake manifold. Unscrew the OEM PCV fitting from the valve cover and install the provided fitting with the o-ring on it. Where you took this hose off of the intake manifold, you either need to plug or cap the fitting it attaches to on the intake manifold.



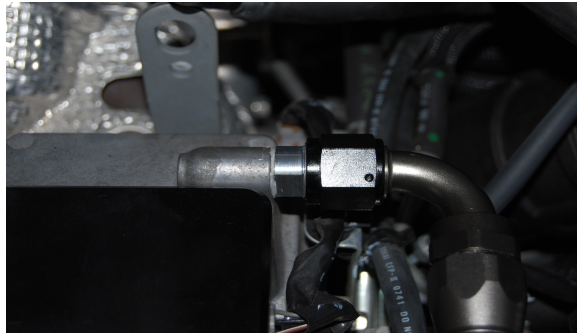
12. You now need to remove the fitting from the drivers side of the valve cover, this is done easily with a pair of channel locks or pliers, rock this back and forth applying outward pressure until the fitting comes out.



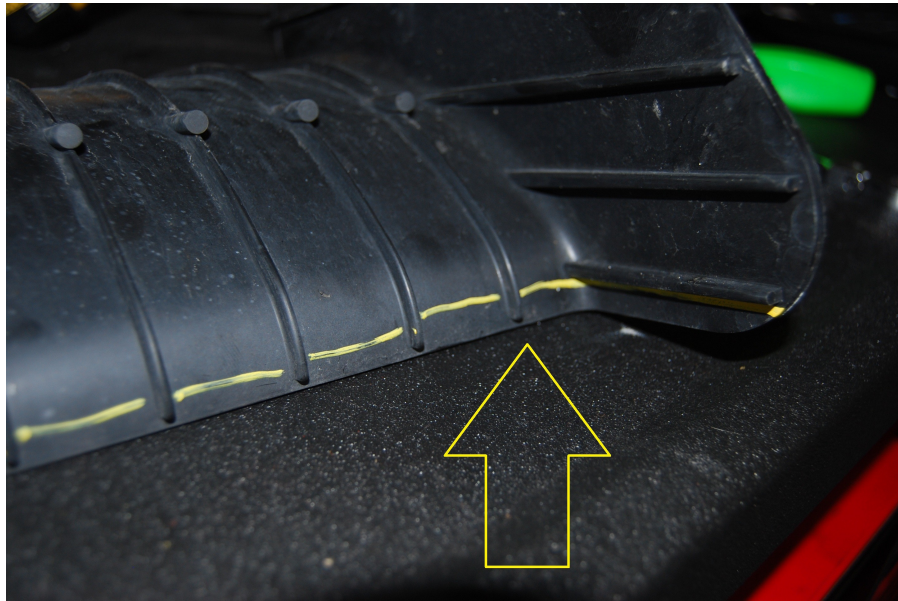
13. To install the new fitting it simply “presses” in. A C-Clamp can be used to squeeze the fitting in. We recommend the use of a small amount of sealant when installing this fitting, especially if it seems very easy to push in the valve cover. Super glue works well.



14. Next install the lines themselves. The long line with the 90 degree fitting attaches from the side valve cover fitting to the front most fitting on the catch can system. Route these hoses down behind the passenger side headlight, noting the routing to make sure it is not resting on any sharp edges or can possibly come into contact with the drive belt. The smaller hose will attach from the front of the valve cover to the rear fitting on the catch can. On the side fitting, you will notice we cut a 15mm open end wrench slot to hold the fitting from spinning while you are tightening the AN 90 degree.



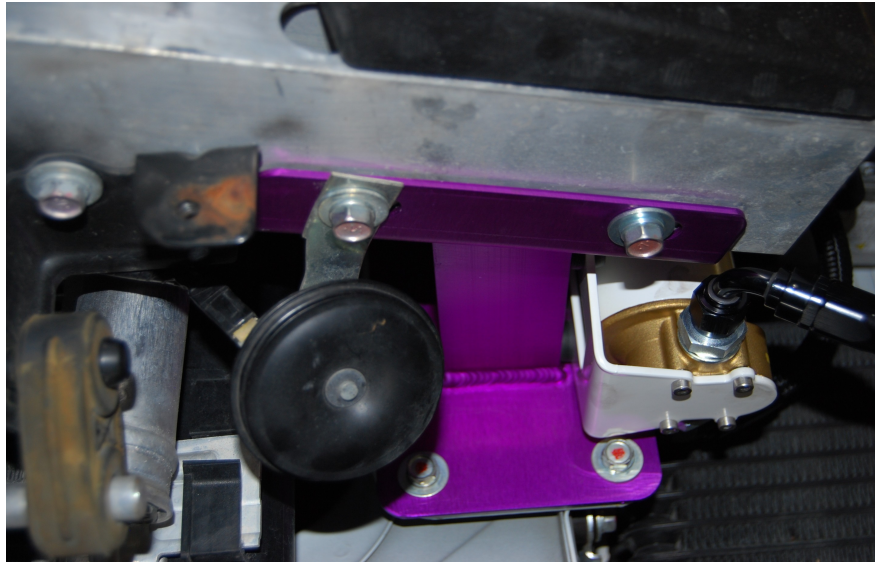
15. You will need to cap/plug the line that went to the passenger side of the valve cover on the intake piping side, as you did with the intake manifold line/fitting.
16. Trimming on the Engine Oil Cooler Duct is needed, however not much, this will show you approximately how much to remove from the duct.



17. Here is how the hoses should be routed and also shows the trimmed duct installed.



18. If you purchased our lightweight bumper bracket, this shows horn mounting. There will also be a self tapping screw provided with the bracket. Use this to mount to ground to the crash beam itself.



19. Install the bumper and you are ready to go!

Feel free to contact us for any questions regarding this or any other SSP products with any questions, comments, suggestions.



MOTORSPORTS
8967 Gilder Rd., Ste. A
Houston, TX 77064-1286
281-890-4772
sales@kozmicmotorsports.com