

## Elite Engineering Catch Can Install 2010 Camaro (LS3)



### Tools Needed:

- Flat Head Screwdriver
- 6mm Allen Wrench
- Razor Knife
- Pliers/Vise Grips
- 1/8" Allen Wrench
- 15mm Deep Socket & Wrench

### Installation Instructions:

1. Disconnect negative side of battery to avoid any potential electrical problems.
2. Locate end of threaded rod on left side of engine. It will have a nut holding a grounding strap to the block and is located to the left of the engine pulleys. In Figure 1 below it is circled for clarity.



Figure 1: Location of Threaded Rod

3. Remove nut using a 15mm deep socket and wrench; you will not reuse this nut. Locate included aluminum rod and lock washer. Put lock washer on followed by aluminum rod as depicted in the figure 2. Tighten rod onto engine block by inserting 1/8" Allen wrench into hole and twisting till secure.



Figure 2: Aluminum Rod Secured to Engine Block

4. Secure included catch can attachment bracket onto rod using included M10 machine screw and 6mm Allen wrench. Try to get assembly as level as possible. Adjustments can be made once catch can is installed.



Figure 3: Bracket Installed on End of Rod

5. Locate existing PCV line to the left of the throttle body and remove. It helps to first unclip EVAC lines by squeezing white tabs. Use flat head screwdriver to push tabs up on PCV line to disengage from engine as seen in Figure 5 below.



Figure 4: Location of PCV Line



Figure 5: Removal of Stock PCV Line

6. Install included rubber hose and two (2) included hose clamps onto PCV outlet and inlet as seen in Figure 6.



Figure 6: Rubber Hoses Installed on PCV Outlet and Inlet

7. Install and tighten 90° NPT elbows onto catch can. Both elbows should be pointed to face engine once catch can is installed. Install catch can onto bracket using two (2) included 1/8" machine screws and 1/8" Allen wrench.



Figure 7: Catch Can Installed on Bracket

8. Route rubber hoses to catch can inlet and outlet and cut to fit with razor knife. Secure with two (2) included hose clamps. Figures 8 and 9 show hose routing.



Figure 8: Hose Routing from PCV Inlet and Outlet



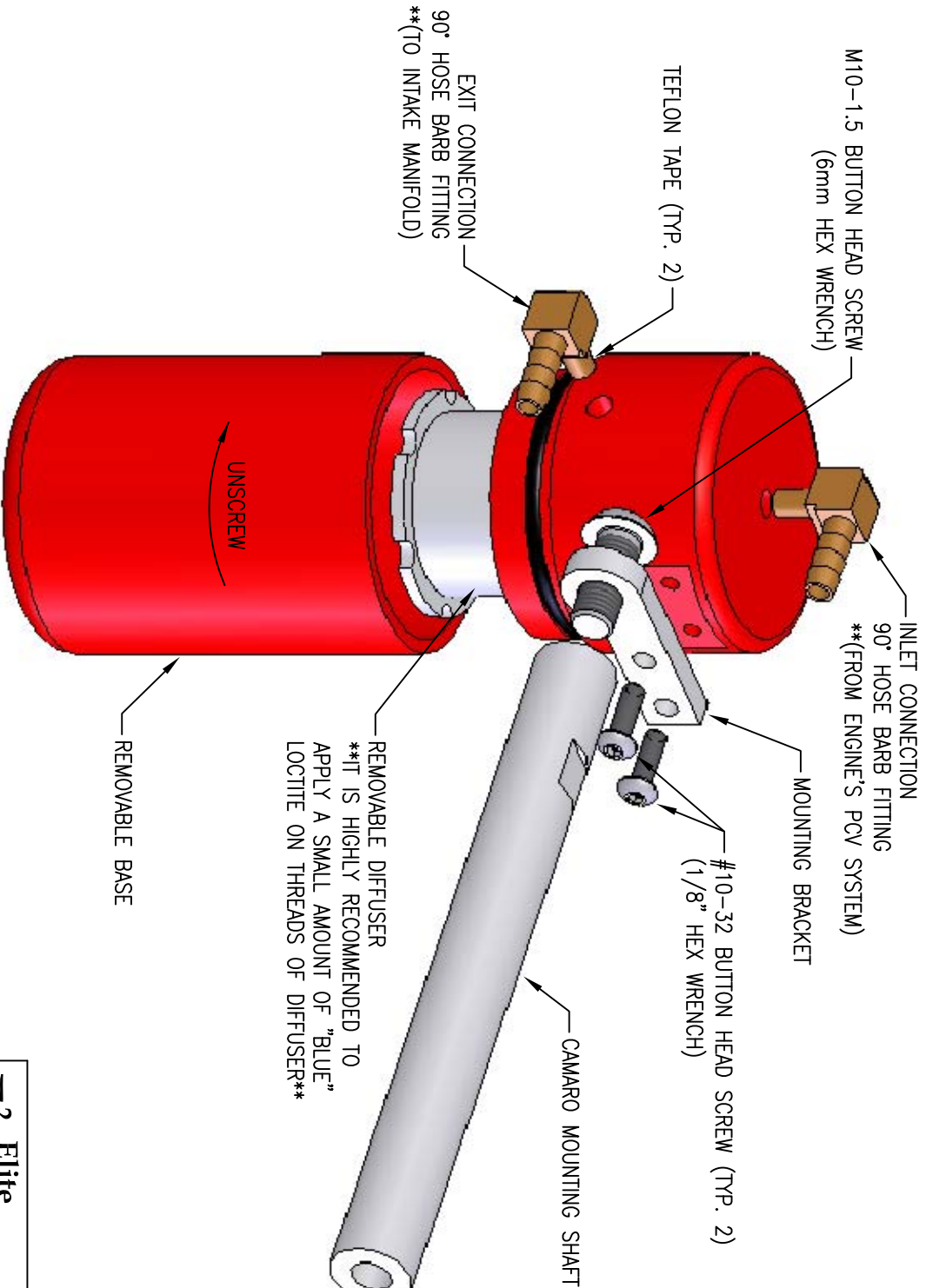
Figure 9: Hoses Installed on Catch Can

9. Check that catch can is level and that hoses are securely attached. Re-connect negative terminal on battery, start car, and check for leaks at catch can attachment points. Catch can bottom and mesh filter should be removed, emptied, and cleaned at each oil change.
10. Enjoy the advantages of no oil in the intake from now on!

For installation questions contact [sales@eliteengineering.com](mailto:sales@eliteengineering.com)

Written by Alex Wodopian

\*\*\* PRIOR TO INSTALLATION, BE SURE ALL HOSE BARB FITTINGS AND BRACKET SCREWS ARE INSTALLED AND TIGHT



REMOVABLE DIFFUSER  
 \*\*IT IS HIGHLY RECOMMENDED TO APPLY A SMALL AMOUNT OF "BLUE" LOCTITE ON THREADS OF DIFFUSER\*\*

REMOVABLE BASE

- NOTES:**
1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
  2. INTERPRET DRAWING IN ACCORDANCE WITH ANSI Y14.5.
  3. BREAK ALL SHARP EDGES AND DEBURR.
  4. MATERIAL: NOTED
  5. DETAILED INSTALLATION INSTRUCTIONS AND PICTURES CAN BE FOUND ON OUR WEBSITE AT: [www.EliteEngineeringUSA.com](http://www.EliteEngineeringUSA.com)
  6. CATCH CAN VOLUME: 9.58 OZ.

**PROPRIETARY NOTE:**

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**E2 Elite Engineering, LLC**



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				SHEET 2 of 2

ZONE	REV	DESCRIPTION	DATE	APPROVED