

M7 Oil Catch Can (OCC) Install Guide



Figure 1

M7 R53 Oil Catch Can

- 1 Can. Finish: Silver Black

53-3M7901 Hardware Kit

- 6 Foot 3/8" automotive hose
- 2 3/8"-1/2" black plastic hose adapter
- 1 1/2" black plastic T-fitting
- 1 3/8" dia x 1" lg. silicone rubber end cap
- 3 Hose clamps (12-22)
- 7 Hose clamps (10-16)
- 1 Clear hose (site tube)
- 2 L-Fittings for site tube
- 1 Chrome mounting bracket
- 2 Aluminium 3/8" port tube fittings
- 1 Metal drain plug
- 2 M6 x 4mm bracket to can mounting screws
- 4 M6 SS flat washers
- 2 M6 Nylock Nuts
- 2 M6 x 25 mm SS bolts



Figure 2

Begin by assembling the M7 Oil Catch Can. Use a 19mm or adjustable wrench to attach the 2 port tubes onto the top of the OCC. To prevent galling, use Teflon tape or a small amount of grease on the threads.



Figure 3

With a 10mm or adjustable wrench, attach the two sight-tube elbows to the body of the OCC.

Use a 12mm or adjustable wrench to attach the drain plug to the bottom of the OCC. To prevent galling, use Teflon tape or a small amount of grease on the threads.

Cut the clear tube to a length of about 2 inches. Insert one end of the tube into the top elbow as shown. Then simultaneously turn the tube and the bottom elbow so that they meet up and the tube can be easily connected to the bottom elbow. Fitment can be adjusted by moving the tube while pulling the lock ring on the end of either elbow.



Figure 4

Be sure that the tube is locked in by both elbows so that there are no leaks.

Installing The M7 OCC onto the Car

1. Remove the intercooler from your car. Remove the T30 Torx bolts holding down the intercooler diverter. Remove the T30 bolts on the intercooler boot clamps. Pull the intercooler out of place; be careful that none of the bolts or clamps fall into the engine through the exposed intake runners.
2. The M7 Oil Catch Can is best mounted on the plastic partition directly behind the engine and above the exhaust heat shield (see junction #1 in the Figure 5 below). Holes will have to be drilled (1/4" dia.) for the M6 bolts/ nuts used for attaching the bracket to the car.

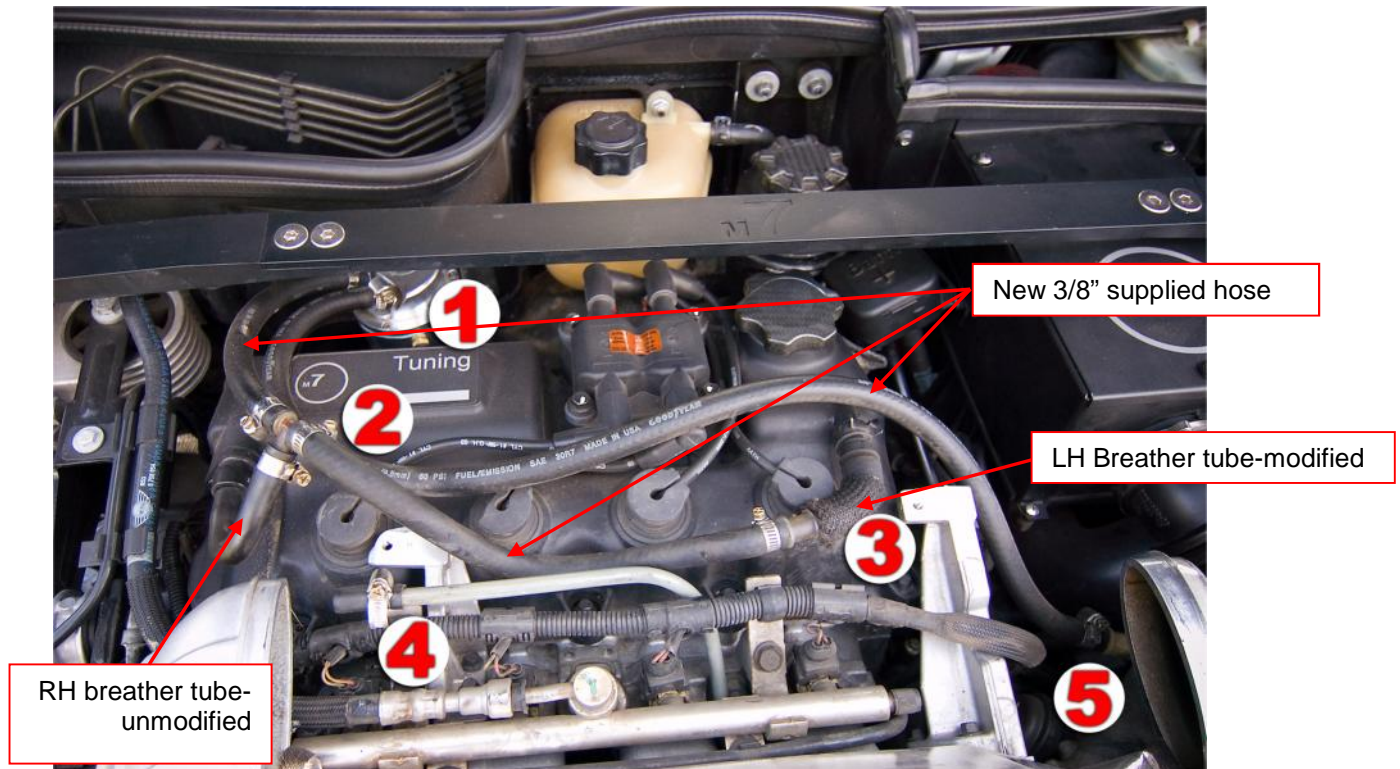


Figure 5-OCC Installation

Hose Installation

Please note that the supplied hose is not cut into individual pieces. It is up to the installer to decide how much or how little hose is needed to get to each junction. Lay hoses out in a smooth run with no kinks. Make sure no hoses will be pinched when the intercooler is reinstalled. Please refer to the install diagram as well as the following picture to plan your plumbing route. Do not tighten any of the hose clamps until you are satisfied with the routing and position of all the hoses.

1. Remove the left side breather hose which runs from the LS of the cam cover to the air intake tube. See Figure #2.

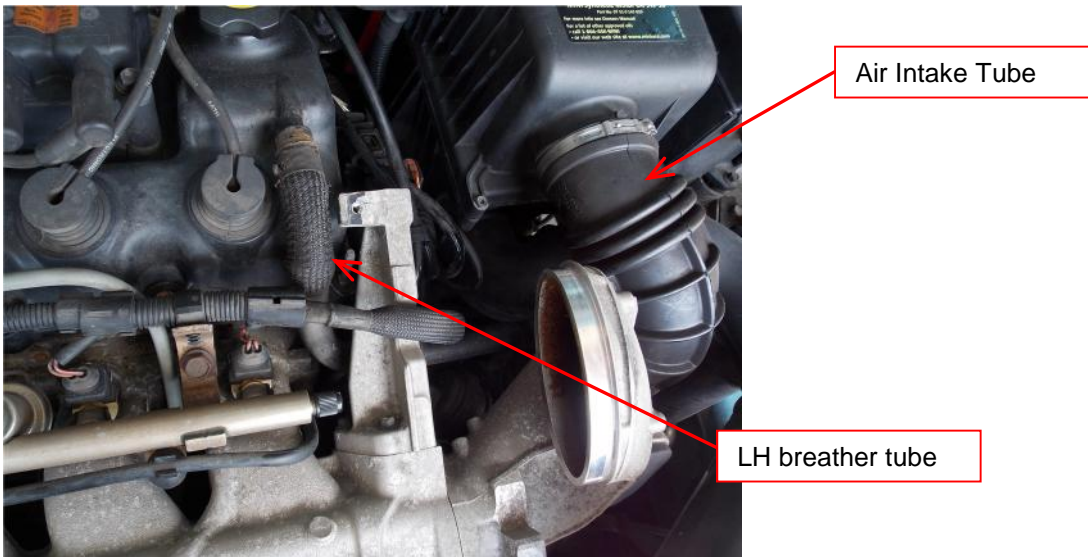


Figure 6-LH Breather Tube Stock Location

2. Cut this tube at the end of the molded 90 degree elbow where the retaining sleeve for the braided insulation ends. See Figure #6. Discard the non-insulated hose and fitting.



Figure 7-LH Breather Tube Modification

3. Insert the 1/2" end of one (1) of the 1/2" to 3/8" black plastic reducing fittings into the insulated 1/2" hose and reinstall onto the cam cover. Point the fitting to the RH side of the car. Fasten with a 12-22 hose clamps. See Figure #5-Item #3.
4. Disconnect the right hand breather tube hose from the gray plastic breather tube. Use a twisting motion to break the seal. See Figure #8 below.

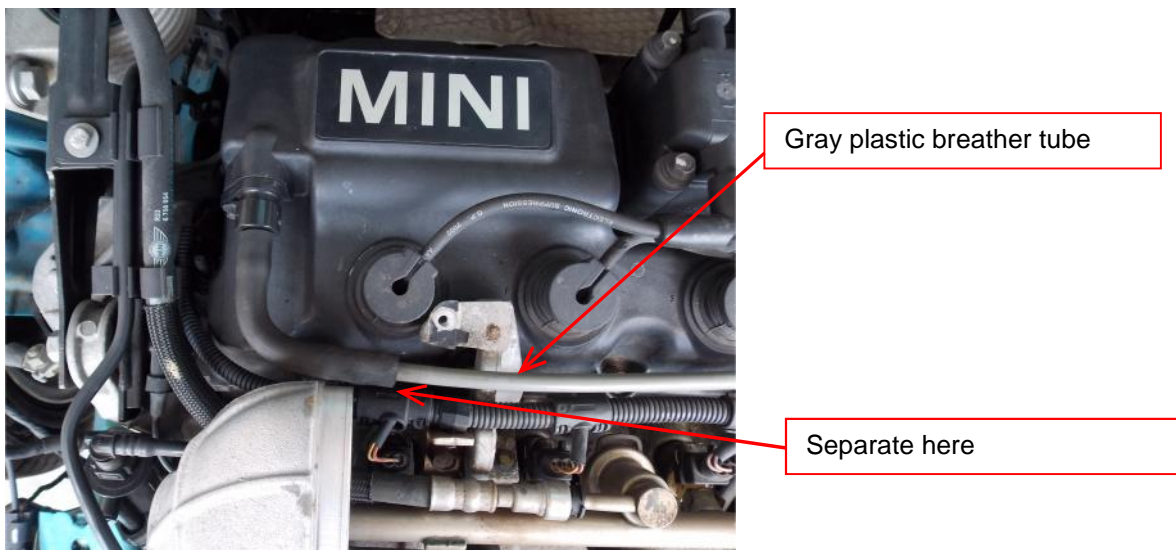


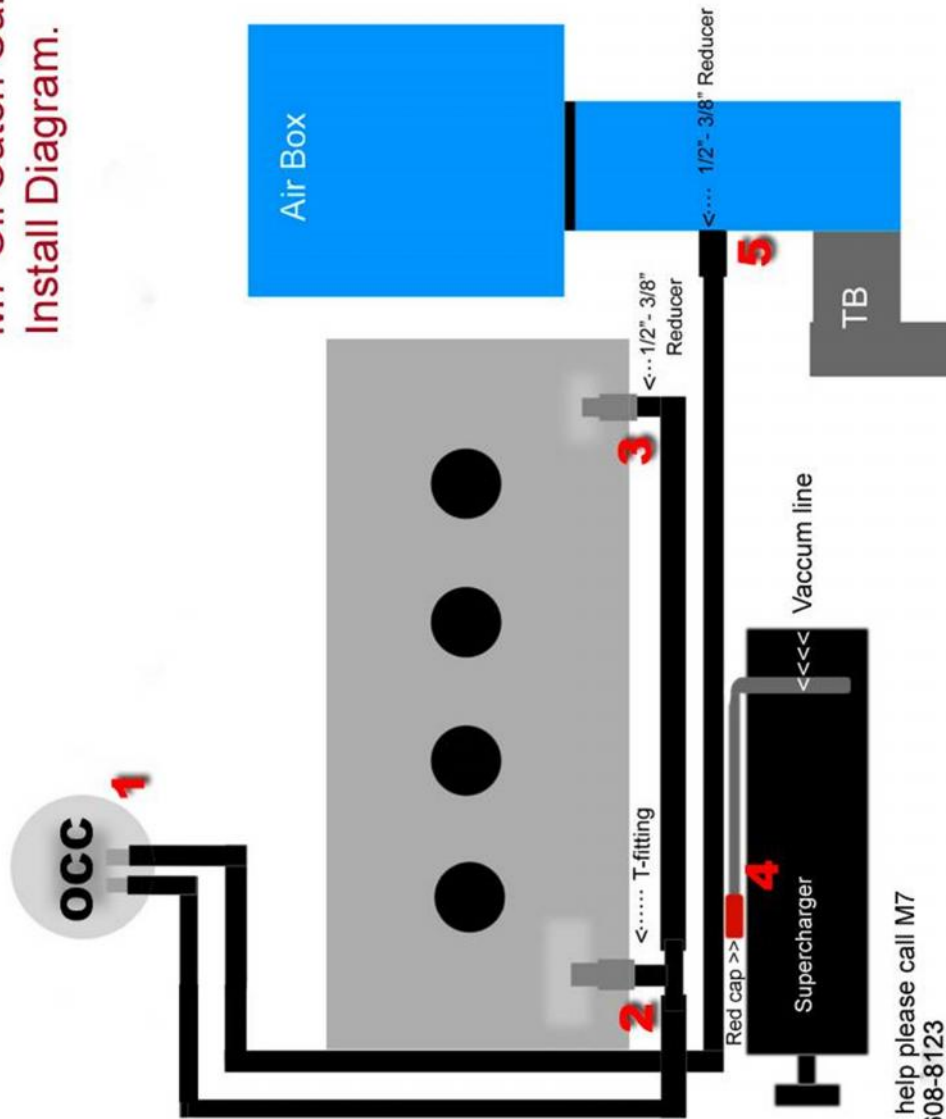
Figure 8 RH Breather Tube

5. Insert the rubber cap over the gray plastic breather tube and attach with a small 10-16 hose clamp to seal off the tube. See Figure #5 Item #4.
6. Inset the down leg of the 3/8" tee into the RH cam cover breather tube and secure with a 12-22 clamp.
7. Measure and cut a length of new 3/8" hose to fit between the outboard fitting on the OCC to one leg of the tee. Secure both ends with a 10-16 hose clamp.
8. Measure and cut a length of new 3/8" hose from the LH breather tube elbow to fit between the LH breather tube and the 3rd leg of the tee. Secure both ends with a 10-16 hose clamp.
9. Measure and cut a length of new 3/8" hose that will run between the inboard fitting of the OCC to the air intake tube. Install the 3/8" end of the remaining 3/8" to 1/2" reducer into the hose. Secure each end of this long hose with a 10-16 hose clamp. Slide the 1/2" end of the reducing fitting into the stock grommet in the air intake tube.
10. Check everything for proper fit and routing. Tighten all the hose clamps.
11. Reinstall the Intercooler. Torque all the M6 bolts to 30 in-lbs(3.4Nm). Use never-seize or equivalent lubricant on the threads before reassembly.

If anything seems unclear, please don't hesitate to call our office Monday – Friday, 9am—4pm EST. Or e-mail us techsupport@m7tuning.com.

Enjoy the Ride and Stay M7 Tuned.....

M7 Oil Catch Can
 Install Diagram.



For tech help please call M7
 at 562-608-8123

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