

	<h1 style="text-align: center;">CATERHAM</h1> <h2 style="text-align: center;">WORKSHOP NOTICE</h2>	Workshop Notice Number
		502A

ISSUED TO	PRODUCTION	N
	ENGINE SHOP	N
	SERVICE	Y
	AGENTS	N
	WAREHOUSE	N

RAISED BY	DATE	DEPARTMENT
M. O'SULLIVAN	03/08/10 SUPPLEMENT A	Engineering

TITLE	Aftermarket Oil catch tank system for academy cars.
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DESCRIPTION

This interrupts the vapour pipe which runs from the crankcase to the plenum. It will allow any escaped oil to be collated in the catch tank mounted on the firewall as apposed to collecting in the plenum.

Figure 1. Vapour pipe



Figure 2. Blanking end cap (30E257)



Firstly remove the existing pipe. Note: The inlet will be still attached to the cylinder head, as shown in figure 1. Blank off the spout with a blanking cap (30E257A). See figure 2.

You will then find that the crank case vapour release valve is redundant, you need to then fasten a length of 10mm pipe to this spout approx 1m. Use a 8-16mm jubilee clip to fasten the end of the pipe, on to the spout to be sure the pipe does not work loose. See figure 3

Figure 3

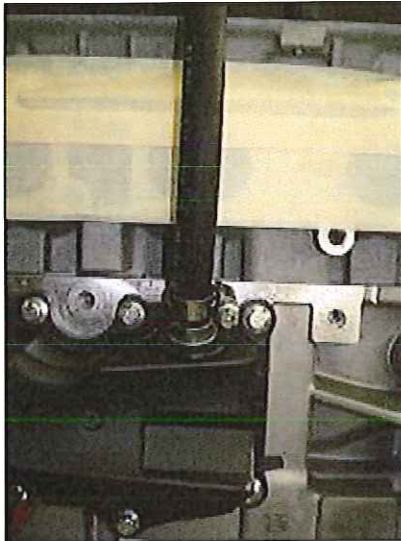
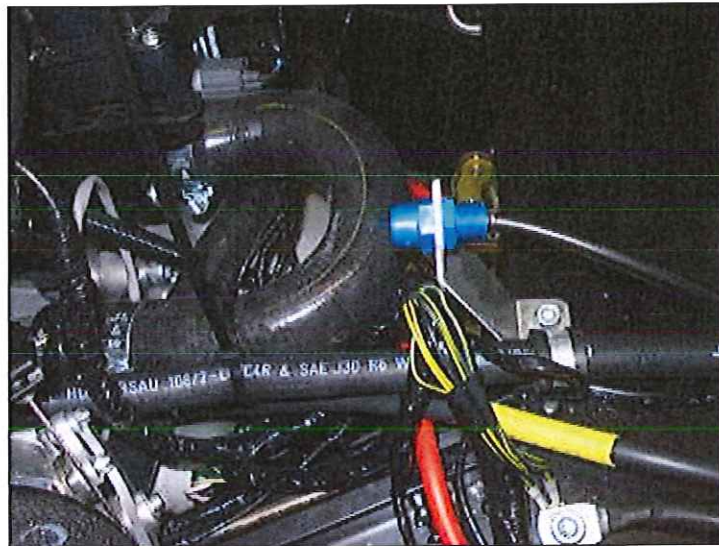


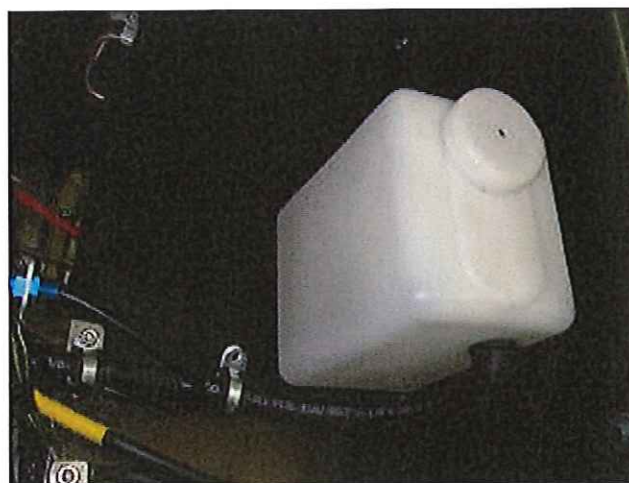
Figure 4



Run the 10mm pipe down the water rail and past the thermostat housing in a neat line and into the catch tank. Use a suitable amount of zip ties to hold the hose in place. The latter part of the pipe can be fastened using 19mm rubber pclips.

You can use the fire extinguisher bracket as one mounting point and mount another pclip 60mm closer to the catch tank. Use a riv-nut in the heater tray with a 25x5mm cap head with spring and flat to fasten.

Figure 5



The catch tank will be fixed to the firewall in its usual way, raised min 5mm from the heater tray. The kit will only be fitted on academy cars where a heater is not permitted.

Supplement A;

The catch tank system has now been modified to take a top breather hose. This will run from the top of the rocker cover to the catch tank following the same path as the crankcase breather.

You will need to remove the catch tank and drill a second hole, for the rocker cover breather, see figure 6.

You can then run a second breather pipe to the rocker cover. To run this pipe in the same route as the existing breather you will need to change the P clips for the larger 25mm versions see figure 6. There are two steel riv-nuts in the kit with M5 screws and washers for attaching the P clips on to the heater tray also see figure 6.

Figure 6

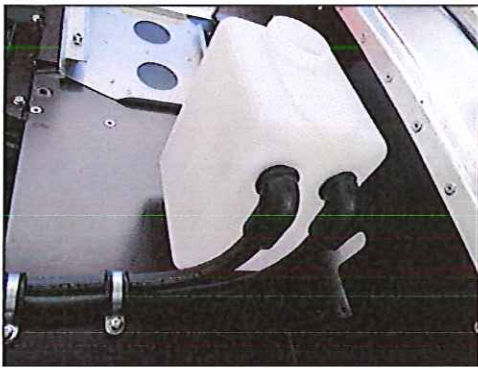
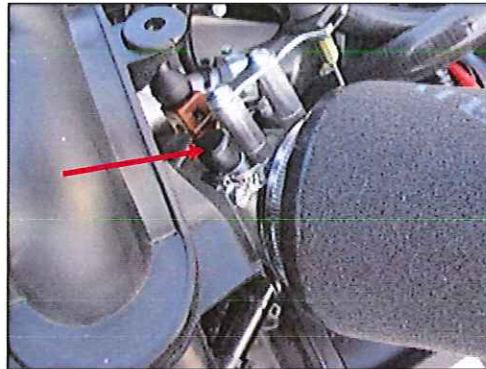
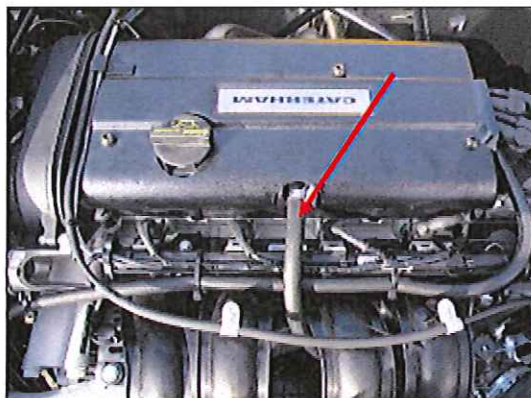


Figure 7



Once the pipe route is routed you can blank off the throttle body outlet with a 13mm blanking plug see figure 7 and secure with a 8-16mm jubilee clip. This then allows the extra 10mm breather pipe to run directly from the rocker cover to the breather tank see figure 8

Figure 8



All the parts you require for the entire breather system are now in the pack number 36EB01AP.