

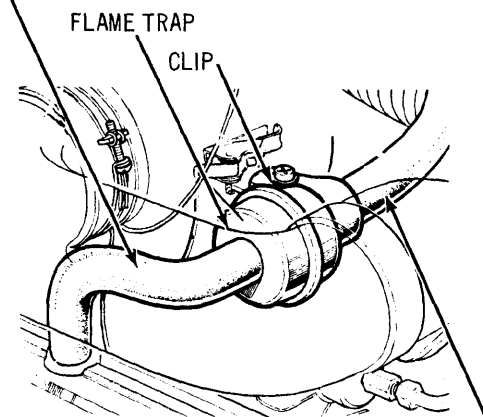
Crankcase Ventilation

ROVER 2000 & 3500S CLOSED

DESCRIPTION

This system provides positive emission control under all conditions. The top cover breather is connected to the atmosphere through a rubber hose and the filtered side of the main air cleaner. The crankcase ventilation pipe is connected between the front of the crankcase and the carburetor at a point between the carburetor piston and the throttle butterfly. In the event of blow-by gas accumulated in the crankcase area, the gas can be ventilated into the carburetor and clean fresh air is admitted through the air cleaner to the top cover breather to assist in purging the blow-by gas.

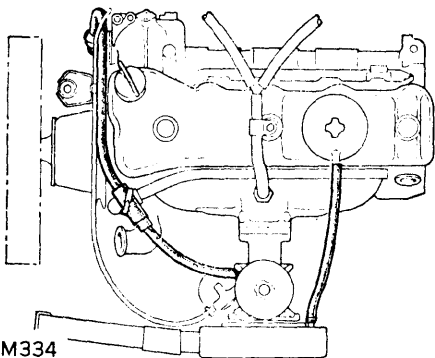
FLAME TRAP TO ROCKER COVER HOSE



1SM221

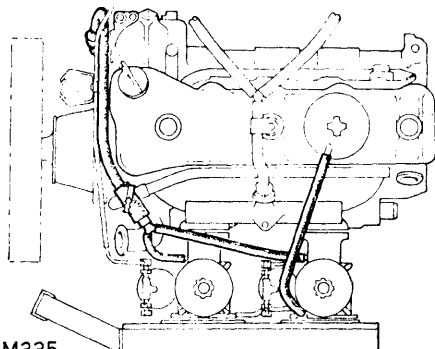
FLAME TRAP TO CARBURETOR HOSE

ROVER 3500S FLAME TRAP LOCATION



8SM334

ROVER S.C. CRANKCASE VENTILATION SYSTEM



8SM335

ROVER T.C. CRANKCASE VENTILATION SYSTEM

VALVE COVER BREATHER

The valve cover breather is sealed and normally requires no service. It is recommended that it be removed and checked for oil contamination every 20,000 miles.

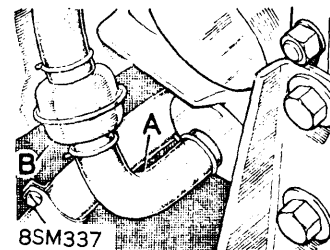
REMOVING VALVE COVER BREATHER

Remove rubber pipe from breather, unscrew the special nut on top of the breather, remove the sealing washer and lift off the breather. Clean the steel gauze by immersing the breather in clean gas, allow to dry and refit.

FLAME TRAP

This valve should be removed and cleaned in gas every 20,000 miles. To remove, detach the rubber hoses from each side of the valve, remove the flame trap. Wash in clean gas, allow to dry and refit.

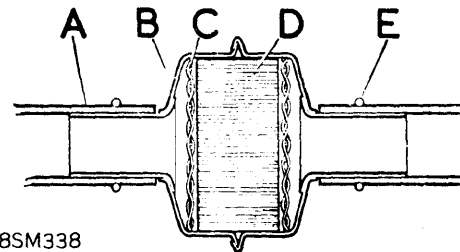
NOTE - Rover 3500S has two flame traps, one on each valve cover.



BSM337

A—Rubber hose
B—Flame trap

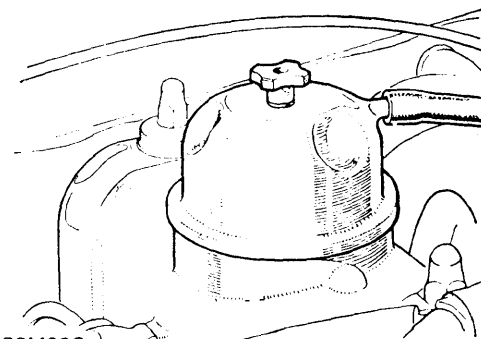
ROVER 2000 FLAME TRAP LOCATION



8SM338

A—Rubber hose
B—Flame trap housing
C—Wire mesh
D—Filter
E—Hose clip

FLAME TRAP



8SM336

VALVE COVER BREATHER