

CIRCULATE TO:-	
SERVICE MGR.	X
RECEPTION	X
WORKSHOP	X
PARTS	X



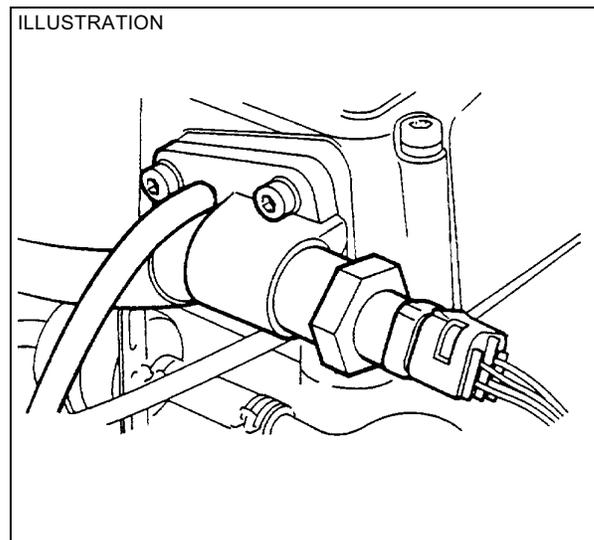
MODEL	SUBJECT		22/03/96
Range Rover Classic	Stalling/Poor Idle/Surging		19/03/96/US
Discovery	AFFECTED VEHICLES		
Discovery	LP	661835 to 663534	
Defender 90	LJ	152765 to 164227	
	LJ	500000 to 515006	
	LD	965085 to 980154	

DETAIL
During mid to late 1995 a number of faulty stepper motor (Idle Air Control Valve) castings found their way into production of 14CUX vehicles and the parts supply. This bulletin will help identify the faulty castings and also identify the problems they cause. Problems encountered are as follows:
The restriction caused by the faulty casting affects the idle speed control, especially on cold start.

1. When the vehicle is started, especially when cold, there is no increase (1200-1500 rpm) in the engine speed with a slow tail off.
2. When the vehicle has been started and the idle speed is low, it may stall when loaded (i.e. with PAS or when Drive is selected).
3. When the engine is warm a fault may not be noticed.
4. Under cold weather conditions the engine may not start "foot off" throttle.

ACTION REQUIRED
Upon customer complaint of stalling/poor idle and surging the air by-pass stepper housing should be removed and checked for the condition stated above, if a faulty motor stepper housing is found follow the below procedure.

PARTS INFORMATION
Loctite 242 - Source Locally



PROCEDURE
Refer to the Workshop Manual section 19 "Idle Air Control Valve."
Description
1. The aperture on faulty castings is approximately 0.315x0.118 in(8x3mm) (on normal castings the aperture should be 0.433x0.433 in(11x11mm)).
2. Corners marked in illustration are square on faulty castings (normally they should be rounded).
3. On good castings, IACV spring is clearly visible, but more difficult to see on faulty castings.
What to Do
If above symptoms are present and a IACV housing is fitted to vehicle, remove housing, remove stepper motor from housing and file down housing aperture to meet specifications as outlined above. When the IACV is re-fitted use Loctite 242 on the threads before installing. **Remember to RESET IDLE on a fully warm engine and transmission.**

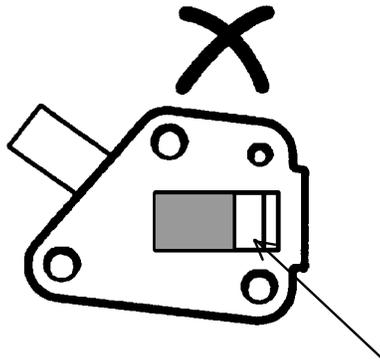
WARRANTY
Normal warranty policy and procedures apply

COMP. CODE
7W1C

SRO
19.22.54/01 - Modify Idle control housing 0.25 hr.



Page 2 of 2	SUBJECT Stalling/Poor Idle/Surging	22/03/96 19/03/96/US
MODEL Range Rover Classic Discovery Discovery Defender 90	AFFECTED VEHICLES LP 661835 to 663534 LJ 152765 to 164227 LJ 500000 to 515006 LD 965085 to 980154	



Incorrect aperture size of 3mmX8mm.

