

	:	Monitoring	Mist	Misfire Monitoring Operation - Discovery	on - Discovery			!
Component/ Fault System Codes	Fault Codes	Monitoring Strategy Description	Malfunction Criteria	Threshold value	Secondary Parameter	Enable Conditions	Time Required	ne MIL ired Illumination
Misfire	P0301	crankshaft	Federal Test	Federal Test  > 1.875 %/ 1000 revolutions	engine speed	520 < rpm < 5400	1000	1000 revolutions two driving
	ð	speed	Procedure (FTP)		load change	< 1.20 ms/rev	dp .	up to twice in
_	P0308	fluctuation	emissions		(after start)	(< 130.8 ms/rev)	one	one drive cycle/
_	P0300	multiple misfire	Threshold		speed change	< 4000 rpm/sec	co	continuous
	P1300				(after start)	(< 20 000 rpm/sec)		
			catalyst damage	8.6 to 16.8 % at 600 rpm	engine load	Positive	200	200 revolutions/ immediately
				7.4 to 14.6 % at 1000 rpm	rough road (ABS)	not set	8	continuous
				2.0 to 10.7 % at 2000 rpm	gear change	not active		
				1.9 to 9.9 % at 3000 rpm	traction control	not active		
				1.8 to 8.3 % at 4000 rpm	transfer gears	high range		
				1.8 to 5.0 % at 5000 rpm	re-enablement	20 revolutions		
					delay (not active			
					after engine start)			

If the above table does not include details of the following enabling conditions: - IAT, ECT, vehicle speed range, and time after engine start-up then the state of these parameters has no influence upon the execution of the monitor.

		> 5.0 sec	time after start					
		high range	transfer gears	encountered during the FTP transfer gears				
		not active	traction control	for the speeds and loads				
		not set	rough road (ABS)	3.8 % to 19.3 %	4.6 litre	misfire	P1300	
	continuous	positive	engine load	4.0 % to 15.9 %	4.0 litre	multiple	P0300	
immediately	200 revolutions/	< 720 rpm/sec	speed change		catalyst damage	fluctuation	P0308	
cycles	continuous	< 0.10 ms/ignition	load change		threshold	speed	to	
two driving	1000 revolutions/	520 < rpm < 5400	engine speed	> 2.0 %/ 4000 ignitions	FTP emissions	crankshaft	P0301	Misfire
MIL Illumination	Time Required	Enable Conditions	Secondary Parameter	Threshold value	Malfunction Criteria	Monitoring Strategy Description	Fault Codes	Component/ Fault System Codes
		ver	on – Range Rover	Misfire Monitoring Operation – Range	Mist			

Land Rover Revision Date: December 2003 Page 28 of 98