



### Oxygen Sensor Monitoring – Discovery Series II

Component/System	Fault Codes	Monitoring Strategy Description	Malfunction Criteria	Threshold Value	Secondary Parameter	Enable Conditions	Time Required	MIL Illumination
Heater			0.52 sec request enrichment					
			if rear O2S voltage not ••0.625 V for 0.52 sec wait for over run fuel cut off (ORFCO)	rear O2S voltage > 0.200V	fuel system status integrated engine air flow whilst in ORFCO front O2S check	in over run fuel cut off (ORFCO) for > 4.0 sec > 35.0 g  completed successfully	0.20 sec/ continuous	
	P0141/61	O2S heater current circuit continuity	calculated resistance voltage	resistance < 2.453 •• <u>or</u> resistance > 10.06 ••	after engine start up transfer gears	> 180 sec high range	10 sec/continuous	

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.

### Oxygen Sensor Monitoring – Range Rover

Component/System	Fault Codes	Monitoring Strategy Description	Malfunction Criteria	Threshold Value	Secondary Parameter	Enable Conditions	Time Required	MIL Illumination
Oxygen Sensor (front)	P0133/53	response rate	O2S signal period (over 30 periods)	> 2.2 sec	engine speed engine load catalyst temperature (model) intake air temperature EVAP canister purge status	1400 < rpm < 2600 2.0 < TL msec < 5.0 > 340 °C  ••69.75 °C  off <u>or</u> on > 20 sec	Immediately/ once per driving cycle	two driving cycles