

Failure Analysis by Component for period Aug'06 to July'07

Class 4: Cars

Category	2006	2006	2006	2006	2006	2007	2007	2007	2007	2007	2007	2007	No. of Failures By Component	No. of MOT Tests	No. of MOT Test Failures	% of Component Failures Failing On Total Tests	Component Failures as % of Total Failures by Component
	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul					
Body	283,973	286,310	280,878	255,298	173,365	275,481	262,616	347,912	310,808	330,764	318,981	319,853	3,446,239			10.34 %	9.13%
Brakes	754,422	755,995	765,196	688,924	464,922	734,763	702,959	889,803	765,610	853,372	829,760	869,025	9,074,751			27.23 %	24.03%
Fuel and Emissions	294,255	292,252	293,325	262,046	174,314	279,064	263,502	332,794	289,871	318,750	306,539	321,711	3,428,423			10.29 %	9.08%
Lighting and Signalling	601,893	597,691	607,905	551,701	379,404	589,471	555,470	688,251	600,002	676,953	660,284	680,503	7,189,528			21.57 %	19.04%
Non-RfRs	20,437	20,479	20,915	19,335	12,839	20,572	19,816	23,888	21,104	23,395	22,481	23,651	248,912			0.75 %	0.66%
Road Wheels(All)	16,140	16,791	16,042	14,887	10,587	15,621	15,077	19,707	17,937	19,874	19,495	19,615	201,773			0.61 %	0.53%
Seat Belts(All)	57,100	56,455	56,550	50,629	32,717	52,299	48,781	58,265	51,717	59,385	57,843	60,517	642,258			1.93 %	1.70%
Steering	110,979	110,485	113,953	105,532	70,904	107,695	103,018	130,088	112,478	125,165	119,094	123,114	1,332,505			4.00 %	3.53%
Structure	80,333	77,586	80,200	70,551	43,955	68,505	62,999	75,071	68,666	78,541	76,711	83,554	866,672			2.60 %	2.30%
Suspension	547,673	539,914	537,080	485,134	320,088	503,085	472,212	603,020	530,454	586,446	561,549	581,908	6,268,563			18.81 %	16.60%
Tyres	411,718	428,781	424,625	381,317	271,657	423,005	398,015	506,091	417,786	468,481	460,060	469,352	5,060,888			15.18 %	13.40%
Sum:	3,178,923	3,182,739	3,196,669	2,885,354	1,954,752	3,069,561	2,904,465	3,674,890	3,186,433	3,541,126	3,432,797	3,552,803	37,760,512	33,328,309	9,210,670		100.00%

Tyres as % of all failure components	12.95%	13.47%	13.28%	13.22%	13.90%	13.78%	13.70%	13.77%	13.11%	13.23%	13.40%	13.21%	13.40%
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Note: A failed vehicle can have more than one failure item and this is why the sum of the failures for each category exceeds the total number of failures.
A vehicle can also have more than one failure category e.g. brakes, tyres. Although there might be more than one failure category it is still counted as only 1 vehicle failure.