TVR

Chimaera 4.0

1995 to 1997

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Type V8 OHV 179kW Capacity (cm ³) / number of cylinders 3952 / 8 Compression ratio / pressure bar 9.8 / Oil pressure bar 0.140. - exhaust mm 0.140. - exhaust mm 0.140. Fing order 1.84-3.4-5.7-2 No 1 cylinder position FL Thermostat opening temperature °C Radiator cap pressure bar 1.03 Fuel system Chimaera 4.0 1995 to 19 Idle speed - manual [auto] rpm - C @ idle speed [3000 rpm] - see page VI % 50.5 WSM C 2 @ idle speed [3000 rpm] - see page VI % - Carburetor / fuel injection	97
Compression ratio / pressurebar9.8 / _Oil pressurebar-Oil pressurebar-Valve clearance - inletmm0. Hyd exhaustmm0. Hyd.Firing order8.4-3-6-5-7-2No 1 cylinder positionFLhermostat opening temperature°C82Radiator cap pressurebar1.03Fuel systemChimaera 4.01995 to 19Idle speed - manual [auto]rpm-Fast idle speed [3000 rpm] - see page VI%-CO @ idle speed [3000 rpm] - see page VI%-CO @ idle speed [3000 rpm] - see page VI%-C2 @ idle speed [3000 rpm] - see page VI%-Carburettor / fuel injection	
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Fast idle speed 3000 rpm] - see page VI % \$0.5 WSM CO @ idle speed [3000 rpm] - see page VI %	97
CO2 @ idle speed [3000 rpm] - see page VI) 7
Carburettor / fuel injection _Lucas Type / ref Hot wire Main jet / needle	97
Main jet / needle	97
Octane rating RON 98[U] Ignition System Chimaera 4.0 1995 to 19 Type Electronic Ignition coil Bosch Primary resistance ohms _ Ballast resistor ohms _ Voltage - Tmnl 15(+) to earth V _ Distributor Lucas _ Points gap (air gap) mm _ Owell angle °(%) _ _ Condenser capacity µF _ _ Ignition timing - basic [static ° Crankshaft @ rpm _ _ V = Vacuum NV = No Vacuum	97
TypeElectronicIgnition coilBoschPrimary resistanceohmsBallast resistorohmsVoltage - Tmnl 15(+) to earthVDistributorLucasPoints gap (air gap)mmDwell angle°(%)Condenser capacityµFRotation	97
Primary resistanceohms	
Voltage - Tmnl 15(+) to earthV_DistributorLucasPoints gap (air gap)mm_Dwell angle° (%)_Condenser capacityµF_RotationIgnition timing - basic [static° Crankshaft @ rpmWSMV = VacuumNV = No Vacuum	
Dwell angle° (%)_Condenser capacityµF_RotationIgnition timing - basic [static° Crankshaft @ rpmWSMV = VacuumNV = No Vacuum_Total ignition advance° Crankshaft @ rpm_° Crankshaft @ rpmCentrifugal check.° Crankshaft @ rpm_° Crankshaft @ rpm_Computer control° Crankshaft @ rpm° Crankshaft @ rpm_° Crankshaft @ rpm_Spark plugs° CrankshaftType_B7ECSB7ECSElectrode gapmmO.75	
Rotation_Ignition timing - basic [static° Crankshaft @ rpmWSMV = VacuumNV = No Vacuum_Total ignition advance° Crankshaft @ rpm_° Crankshaft @ rpm° Crankshaft @ rpm_° Crankshaft @ rpm_Vacuum range checkmbarMaximum vacuum advance° CrankshaftSpark plugsNGKTypeB7ECSElectrode gapmmO.75	
V = Vacuum NV = No Vacuum	
 Crankshaft @ rpm Centrifugal check. Crankshaft @ rpm Spark plugs Crankshaft Spark plugs Type Electrode gap mm O.75 	
 ^o Crankshaft @ rpm _ ^o Crankshaft _ ^o Cranksh	
Maximum vacuum advance ° Crankshaft Spark plugs NGK Type B7ECS Electrode gap mm	
TypeB7ECSElectrode gapmm0.75	
Electrical system	
Electrical system Chimaera 4.0 1995 to 19	<mark>97</mark>
BatteryV / CC / RC12 /Alternator voltage / full load current / engine rpm13.7 to 14.6 / 70AStarter motor current / voltage - crankingA / V	
- locked A / V Running gear Chimaera 4.0 1995 to 19	97
Brakes - Front (min. friction material thickness) mm 2.0	
Rear (min. friction material thickness)mm2.0Tyres	
SaloonSize205/60x15; 225/55x16Estate / VanSize_Pressure - front / rear - Saloonbar1.5 / 1.7	
- Estate / Van bar _ Front suspension / wheel alignment	
Toe-in (+) / Toe-out (-) mm [°] [+20'] Camber -30' to -1° Castor 4°	
King pin inclination 13°20′ Rear suspension / wheel alignment 13°20′	
Toe-in (+) / Toe-out (-) mm [°] [+10'] PW Camber -30' to -1°	
Torque wrench settingsChimaera 4.01995 to 19Cylinder head - stage 1Nm95 Short: 48	9 7
- stage 2 Nm _ - stage 3 Nm _ - stage 4 Nm _	
Big-end bearingsNm47Main bearingsNm95	
Clutch coverNm27Flywheel [driveplate]Nm81Front hubsNm310 to 350	
Front hubsNm310 to 350Rear hubsNm310 to 350Wheel nuts / boltsNm100	
Spark plugs Nm 17 Capacities Chimaera 4.0 1995 to 19	
Engine oil & filterlitres4.3Gearbox - 4-speed [5-speed]litres1.3	97
Automatic transmission - refilllitresFinal drivelitres	97
Cooling systemlitres9.3Fuel tanklitres57	97

Notes and Illustrations

