

Technical data on the vehicle

Make Chrysler Model Voyager 3,3 Year Engine EGA Variant	Date: 06-01-2013 Owner _____
	Registration No. _____ VIN _____ 1. Reg. Date _____

Technical item	Data
----------------	------

Engine

Engine ID code	EGA	
Number of cylinders	V6	
Number of valves	12, OHC	
Capacity/ (bore/ stroke)	3301 cm ³ (93,0/ 81,0)	
Compression ratio (RON)	8.9: 1 (95 unleaded)	
Max. output kW (din hp)/ rpm	116 (158)/ 4850	
Max. torque NM/ rpm	275/ 3250	
Engine code location	Rear side on block	
Vehicle Identification Number location	Windscreen left side	
Vehicle identification plate location	Type plate in the left door frame/closing plate	
Production year code in VIN	10th digit, model year,	i
Valve clearance, inlet (cold/ hot)	(Hydraulic)	
Valve clearance, exhaust (cold/ hot)	(Hydraulic)	
Valve angle/ seat angle	Intake 44° 30' Exhaust 45°/ 45° - 45° 30'	
Compression pressure, bar	6.9 (Max. difference 25%)	
Oil pressure/ rpm, bar	Min. 0.34/ idle speed (2.0 - 5.5/ 3000)	
Radiator cap, bar/ thermostat °C	0,97 - 1,24/ 88° - 93° C	
Timing chain:		i
Noise measurement, dB(A) at rpm	84/ 3525	

Engine management

Engine management system	SEFI - Multipoint	
Spark plug	Champion RN 14 PMP5	
Electrode gap, mm	1,21 - 1,34	
Firing order	1-4-2-5-3-6 (Cylinder 1 at timing gear right side)	i
Ignition timing (BTDC)		i
Diagnostic connector	Under dashboard left side	i
Max. timing advance (max. rpm)	(Electronic)	
Timing mark location	Sensor	
Ignition coil	DIS	
Ignition coil: Primary/ secondary resistance	0,45 - 0,65 ohm/ 7,00 - 15,80 kohm	
Fuel pressure, w/wo vacuum, bar	/ 3,8	
Injector resistance, ohm	12,0	
Min. idle manifold vacuum, mbar	590	
Coolant temperature sensor 20°/ 80°C	7,0 - 13,0 kohm/ 0,7 - 1,0 kohm	
TPS voltage, volt	Closed 0.38 - 1.2 (Open 3.1 - 4.4)	
Cylinder balance permitted (maximum duration)	Yes (30 sec.)	
Fuel pump pressure, bar	Max. 6,35 bar	

Electrical system

Battery	12 V 310 A/ 120 RC	
Starter motor current (cranking), A	73 A/ 3400 rpm	
Voltage relay, Volt at/ amp.	12.9 - 15.0 V/ (Controlled by engine management)	
Terminal definitions DIN 72 552		
Alternator max, A	86/ 98	

Wheel alignment

Load	Unloaded (Vehicle height)	
Toe-in, °	0° 06' ± 12'	
Camber°	0° 09' ± 24'	i

Technical item	Data
----------------	------

Wheel alignment

Caster°	1° 24' ± 1°	
Caster, max. difference on R and L side	1°	
Rear camber°	0° ± 15'	i
Rear toe-in °	0° ± 24'	i
Tyre size	215/ 65 R 15 (215/ 65 R 16)	
Tyre pressure, front/ rear, bar	2.5/ 2.5	
Free play in suspension parts	Factory data	i
Wheel offset, mm	6½J x 15, 6½J x 16 = 40 mm	

Tightening torques

Tightening, NM	Torque standards	
Cylinder head bolts, stage 1, Nm	61 Nm oiled	i
Cylinder head bolts, stage 2, Nm	88 Nm	
Cylinder head bolts, stage 3, Nm	88 Nm	
Cylinder head bolts, stage 4, Nm	+ 90°	
Cylinder head bolts, stage 5, Nm	(No retightening)	
Main bearings, Nm	41 Nm + 90°	
Connection rod bearings, Nm	54 Nm + 90° oiled	
Crankshaft pulley/ vibration damp. Nm	54/	
Camshaft pulley/ bearings, Nm	54/ (Rocker arm assembly 28 Nm)	
Spark plugs, Nm	27	
Wheel nuts/ bolts, Nm	135	
Wheel hub, front/ rear, Nm	244/ (4 flange bolts 129 Nm)	
Repair time: Renew one rear wheel bearing	18 minutes	
Repair time: Renew one front wheel bearing	30 minutes	

Brakes

Front, min. thickness (new)	22,5 mm (24,0 mm)	
Rear, min. thickness (new)	11,25/ 251,5 mm (12,5/ 250,0 mm)	i
Repair time: Front brake disc renewal (2 pc.)	40 minutes	
Repair time: Rear brake drum renewal (2 pc.)	36 minutes	

Capacities

Engine oil/ - incl. filter, litre	3,8/ 4,3 (API. SH - SH/ G5, SAE 5W30)
Automatic transmission, litre	3,8 (Total 8,6) (Mopar ATF 7176)
Power steering, litre	0.8
Cooling system, litre	9,5
A/C fluid, type/ gram	R134a/ 960 (With A/C in rear 1360)
A/C oil, type/ cm ³	Dens Oil 8 PAG/ 150 (With A/C in rear 220)

Environmental parametres

Idle speed, rpm	575 - 875	
CO% at idle speed	Max. 0,5	i
CO% at Increased idle speed	Max. 0.3	
Lambda	1,00 ± 0,03	

Remarks

--	--

XXX
XXX
XX XX

Order No.: _____
Mechanic _____