

Useful information for the 20v/vt models

This stuff is mainly from the handbook and refers to an early 1998 registration (S) 20 VT, therefore some details may differ for later cars and 6 speeders.

It may be handy for when you don't have the handbook available or settling arguments.

Tyres and Wheels and Suspension

Tyres

205/50 ZR 16 87Y or 225/45 ZR 16

Pressures (Bar)

Unloaded

2.7 front (39psi) and 2.2 rear (32 psi)

Laden

2.7 front and 2.4 rear

Spare 4.2

Wheels are 7j x 16 H2-40 alloy

PCD 4x98

Offset 38 (40 for Turbo Plus)

Bolt Torque setting 98nm

Geometry

Wheel toe in measured from rim to rim

Front

+2 +or- 1mm

Rear

0.5 +or- 2mm

Power Steering

Dexron II or III

Engine and Gearbox

Engine Oil info

Selenia Semi-synthetic 20K 10w-40

Capacity for engine and sump 4.5

Capacity for engine, sump and filter 4.8

Oil consumption guide max 1ltr per 1,000km or 620 miles

Dipstick from min to max mark is 1 litre. **DO NOT OVERFILL**

Oil filter Fiat Part Number: S4P430

Champion part F107 or Coopers Z780(note these are longer body filters for easier fitting and removal)

Engine Info

Idle speed – 700 +or- 50rpm

Firing order 1-2-4-5-3

Spark Plugs Bosch FR6KT6 or NGK BKUR6ET tighten to 13-15Nm

Turbocharger Garret TB28 water cooled with waste-gate pressure relief valve boosting to 1.2bar max

Engine peak power 220bhp at 5750

peak torque 310 Nm at 2500

Engine compression 8.5:1

Gearbox

Oil Specification:

6 speeds 75w80

5 speeds 75w90

Fiat Gearbox oil is Tutela Car ZC75 Synth - top up via the dipstick hole using a funnel. There is another alternative from Fiat made by Tutela that is 75w85 called Matryx, this is used in all the Alfa GTA models.

Silkolene SILKTRAN SYN 5 75W-90 Fully Synthetic Gear Oil is a popular choice for all speeds and will give a smoother transmission.

Capacities:-

20v NA 1.98l ltrs

20VT 1.96l ltrs

Clutch is hydraulic and shares reservoir with the brakes.

Fuel Consumption and Emissions

Fuel Consumption

All in litres per 100km

Urban Extra Combined

20v NA 14.0 7.3 9.8

20V Turbo 14.4 7.6 10.1

Emissions

Co2 in g/km on an average combined cycle

20VT 240

20V NA 232

Cooling System

Protective compound with Ethylene glycol based anti-freeze to spec CUNA NC 956-15. Fiat fill with Parafu

Capacity 7 ltrs

Brakes

Fluid is min DOT4 also serves as clutch hydraulic fluid. Dot 5.1 is recommended because of its higher temperature capabilities; it can safely be mixed with Dot 4.

*You ***must not*** use Dot 5 (or any silicone based fluid) as it is not compatible with neither the existing fluid nor the rubber pipes and seals.*

Capacities:

770ml brake fluid total capacity, for the 16v/vt

580ml brake fluid total capacity, for the 20v/vt

Bulbs

Headlight H1 for dipped and main beam

Front fogs H1 (despite what the handbook says!)

Front side lights 12V-5w wedge 501

Front indicators 12V –21w amber bulb bayonet

Side Indicators 12V – 5w bayonet

Rear indicators 12V – 21w bayonet

Rear fog 12V – 21w bayonet

Rear tail and stop 12V – 5/21w bayonet

Rear reverse 12V –21w bayonet

Number plate 12V 5w cylinder type bulb clip fit

Rear high level brake push fit It's bulb type 284 in Halfords 12V 2.3W and note that the same size ones with smaller wattages don't work. Super bright T5 286 10k MCD Ultra bright Red dash LEDs are a good replacement and will last forever. [Link here](#)

Dashboard and Centre Console Illumination Bulbs 12v Push fit type 286 in white

Interior courtesy lights 38mm 12v festoon bulbs

Windscreen Wash & Wiper Blades

Wash reservoir capacity 6.5 litres serving front and rear screens

Blades

Drivers 21" (530mm)

Passenger 19" (480mm)

Rear 21"

Other Miscellaneous

Kerb weight 1310 kgs

Minimum turning circle 11.4m full lock to lock in 3 turns