



MASERATI QUATTROPORTE (JUNE 2014) - TECHNICAL SPECIFICATIONS

	Maserati Quattroporte Turbo Diesel	Maserati Quattroporte S	Maserati Quattroporte GTS
Model Code	M156	M156	M156
Engine code	A630MS/M156C	F160AM/M156B	F154A/M156A
ENGINE			
Layout	60-degree V6 Common rail, direct	60-degree V6	90-degree V8
Fuel delivery	injection	Direct Fuel Injection	Direct Fuel Injection
Injection Pressure	2000 bar	200 bar	200 bar
Induction	1x variable geometry turbocharger	Two twin-scroll turbochargers	
Turbochargers	One	IHI twin scroll, low inertia, water-cooled	
Intercoolers	One	Two	Two
Crankshaft	Four bearings	Four bearings	Five Bearings
Camphaser	N/A	4 independent (one for each camshaft)	
Lubrication	Wet Sump, electronically variable displacement oil pump		
Oil Pump	Gerotor style	Variable displacement, electronically controlled	
Alternator	Computer controlled, variable output		
Engine management	Bosch Motronic EDC17C79	Bosch Motronic MED 17.3.1	
Valve drive	Twin-chain driven	Twin Chain-Driven Camshafts/Bank	
Valve train	24 valves, roller finger followers, hydraulic lash adjuster	32 valves, roller finger followers, hydraulic lash adjuster	
Valve timing	Fixed	Double timing chain on the flywheel side, continuous variable timing for the inlet and exhaust	
Intake timing	Valve opens 19.6 degrees after TDC, closed 5.6 degrees after BDC	Intake valve opens 16 degrees after TDC; 50 degree timing variator	60 degree variable valve timing
Exhaust timing	Valve opens 17.9 degrees before BDC closed 27.9 degrees before TDC	Exhaust valve closes 8 degree before TDC; 50 degree timing variator	50 degree variable valve timing
Exhaust system	More intense sound in Sport mode	Normal mode to 4200 rpm when bypass flaps open, sport mode, flaps open at all rpm	
Displacement	2987 cc	2979 cc	3799 cc
Bore x Stroke	83 mm x 92 mm	86.5 mm x 84.5 mm	86.5 mm x 80.8 mm
Compression ratio	16.5 : 1	9.7 : 1	9.5 :1
Maximum Power kw/rpm	202 kW/4000	301/5500	390/6800
Maximum Torque Nm/rpm	600 Nm/2000-2600	550/1750-5000	650/2000-4000
Overboost Torque Nm/rpm	600 Nm/2000-2600	N/A	710/2250-3500 rpm
Maximum Engine Speed	4500	6000 rpm	7200 rpm
Fuel	Diesel	Minimum: 95 RON; Recommended: 98 RON	

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BODY/CHASSIS

Wheels			
Front	19 x 8.5J, alloy	19 x 8.5J, alloy	20 x 8.5J, alloy
Rear	19 x 10J, alloy	19 x 10J, alloy	20 x 10.5J, alloy
Tyres			
Front	245/45 ZE19 98Y	245/45 ZE19 98Y	245/40 ZR20 99Y
Rear	275/40 ZR19 101Y	275/40 ZR19 101Y	285/35 ZR20 100Y
Wheels, Optional			
Front	20 x 8.5J, alloy	20 x 8.5J, alloy	19 x 8.5J, alloy
Rear	20 x 10.5J, alloy	20 x 10.5J, alloy	19 x 10J, alloy
Tyres			
Front	245/40 ZR20 99Y	245/40 ZR20 99Y	245/45 ZE19 98Y
Rear	285/35 ZR20 100Y	285/35 ZR20 100Y	275/40 ZR19 101Y
Wheels, Option			
Front	21 x 8.5J, alloy	21 x 8.5J, alloy	21 x 8.5J, alloy
Rear	21 x 10.5J, alloy	21 x 10.5J, alloy	21 x 10.5J, alloy
Tyres			
Front	245/35 ZR21 96Y	245/35 ZR21 96Y	245/35 ZR21 96Y
Rear	285/30 ZR21 100Y	285/30 ZR21 100Y	285/30 ZR21 100Y
Spare Wheel, spacesaver,			
	175/55-18 95P	175/55-18 95P	175/55-18 95P
Suspension			
	Skyhook electronically and independently controlled dampers with normal and sport modes		
Front	High-mounted, all-aluminium double wishbones, steel springs, Skyhook dampers, anti-roll bar		
Rear	Five-bar multi-link system, with four aluminium suspension arms, steel springs, Skyhook dampers, anti-roll bar		
Steering			
	Servo power assisted, speed sensitive		
Drag Coefficient	0.31	0.31	0.31
TRANSMISSION			
Type	ZF AT8 HP70 – 8-speed automatic with manual control from gear stick or steering wheel paddles; Sport and Ice modes		
Gears	Four coaxial planetary gear sets, eight forward gears, plus reverse		
Drive away function	Hydrodynamic torque converter, lock up clutch		
Control unit	Mechatronic, integrated hydraulic and electronic control unit		
Cooling	External oil/water heat exchanger with dedicated cooling circuit		
Shift modes	Auto Normal, Auto Sport, Manual Normal, Manual Sport, I.C.E. mode		
Ratios			
First	4.71:1	4.71:1	4.71:1
Second	3.14:1	3.14:1	3.14:1
Third	2.11:1	2.11:1	2.11:1
Fourth	1.67:1	1.67:1	1.67:1
Fifth	1.28:1	1.28:1	1.28:1
Sixth	1.0:1	1.0:1	1.0:1
Seventh	0.84:1	0.84:1	0.84:1
Eighth	0.67:1	0.67:1	0.67:1
Reverse	3.32:1	3.32:1	3.32:1
Final Drive	2.93:1	2.93:1	2.93:1
BRAKES			



Front	6 pistons aluminum monobloc fixed calipers with dual-cast ventilated drilled discs 360x32 mm	Brembo 6 piston aluminium monobloc fixed calipers with dual-cast ventilated and cross drilled discs 380x34 mm	
Rear	4 pistons aluminum monobloc fixed calipers ventilated discs (350x28 mm)	Brembo 4 piston aluminium monobloc fixed calipers ventilated and cross drilled discs (350x28 mm)	
Caliper Colour	Black	Black	Black
Parking Brake	Electronic	Electronic	Electronic
ABS brakes, EBA, EBD	Standard	Standard	Standard
PERFORMANCE			
0-100 kmh (secs)	6.4	5.1	4.7
0-200 kmh (secs)			14.7
0-1000 m (secs)		24.0	22.7
0-400 m (secs)			12.8
Top Speed (kmh)	250	283	307
Stopping Distance (100 kmh-0)	35.5	34 m	34 m
Weight/Power Ratio kg/hp			3.6
FUEL CONSUMPTION			
l/100 km			
Urban	7.8	15.7	17.6
Extra-Urban	5.2	7.4	8.6
Combined NEDC	6.2	10.4	11.9
CO2 Emissions g/km	163	242	278



DIMENSIONS/WEIGHTS

Wheelbase	3,171 mm	3,171 mm	3,171 mm
Length	5,262 mm	5,262 mm	5,262 mm
Width	1,948 mm	1,948 mm	1,948 mm
Width (with mirrors)	2,100 mm	2,100 mm	2,100 mm
Height	1,481 mm	1,481 mm	1,481 mm
Front Track	1,634 mm	1,634 mm	1,634 mm
Rear Track	1,647 mm	1,647 mm	1,647 mm
Front Overhang	968 mm	968 mm	968 mm
Rear Overhang	1,123 mm	1,123 mm	1,123 mm
Turning circle	11.8 m	11.8 m	11.8 m
Boot/Trunk Capacity	530 litres	530 litres	530 litres
Kerb Weight	1885 kg	1860 kg	1900 kg
Fuel Capacity	80	80 litres	80 litres
Weight Distribution	50 Front : 50 Rear	50 Front : 50 Rear	50 Front : 50 Rear



EQUIPMENT AND FEATURES

	Maserati Quattroporte Turbo Diesel	Maserati Quattroporte S	Maserati Quattroporte GTS
SAFETY AND SECURITY			
Airbags, dual stage front	Standard	Standard	Standard
Airbags: full length window side bags, two on each side	Standard	Standard	Standard
Airbags: side impact airbags	Standard	Standard	Standard
Alarm System: Perimeter and volumetric sensing, anti-lift device, electronic immobilizer	Standard	Standard	Standard
ASR (Anti-Slip Regulation)	Standard	Standard	Standard
BAS (Brake Apply Sensor)	Standard	Standard	Standard
Brakes: ABS Anti-lock, with EBD and EBA	Standard	Standard	Standard
Brakes: Hill Holder	Standard	Standard	Standard
Daylights, LED	Standard	Standard	Standard
EBD (Electronic Brake Force Distribution)	Standard	Standard	Standard
Electronic Stability Control (ESC): Maserati Stability Programme	Standard	Standard	Standard
Headlights, automatic illumination	Standard	Standard	Standard
Headlights: Automatic Front lighting System (AFS)	Standard	Standard	Standard
ICE control: specific software for reduced consumptions and a better vehicle dynamic management in all the conditions.	Standard	Standard	Standard
MSR (Modulated Speed Regulation)	Standard	Standard	Standard
Parking sensors, front and rear with dashboard graphic display	Standard	Standard	Standard
Rear View camera, dashboard display range warning graphics	Standard	Standard	Standard
Seatbelts: front height adjustable	Standard	Standard	Standard
Seatbelts: Front/Rear load-limiting pyrotechnic pre-tensioners	Standard	Standard	Standard
Type pressure monitors, warning system	Standard	Standard	Standard
Windscreen Wipers, automatic	Standard	Standard	Standard
CHASSIS/DRIVETRAIN			
Cruise Control, active	Standard	Standard	Standard
Parking brake, electronic	Standard	Standard	Standard
Power steering, speed sensitive	Standard	Standard	Standard
Sport Mode: Controls accelerator map, engine, MSP system, exhaust system, transmission.	Standard	Standard	Standard
Suspension, Sport mode	Standard	Standard	Standard
Tyre repair kit, air compressor	Standard	Standard	Standard
Tyre, Space saver	Standard	Standard	Standard
EXTERIOR			
Boot, remote and keyless opening	Standard	Standard	Standard



Boot, trim: fully lined and carpeted, colour matched to interior	Standard	Standard	Standard
Boot, equipment: 12V power socket, side net pocket, lighting	Standard	Standard	Standard
Brake caliper colour, optional	N/A	Red, Silver, Blue, polished aluminium	
Brake caliper colour, standard	Black	Black	Black
Central lock: remote operation, automatic activation from key fob	Standard	Standard	Standard
Door mirrors, automatically dimming powered/heated exterior mirrors; electrically adjustable and foldable, with integrated turn lights	Standard	Standard	Standard
Doors, continuous door hold with no presets	Standard	Standard	Standard
Exhaust System: two dual trapezoidal tail pipes, in chromed stainless steel; pneumatic valves controlled via "SPORT" button.	Standard	Standard	Standard
Front grille with chromed frame and vertical grille bars in glossy black; side ornamental grilles in black. C pillar logo.	Standard	Standard	Standard
Glass, High thermal and noise insulation laminated	Standard	Standard	Standard
Headlights, Adaptive Bi-xenon front headlamps with integrated DRL led lights and AFS module	Standard	Standard	Standard
Headlights, Hi-pressure washing system	Standard	Standard	Standard
Lights, rear: Full LED	Standard	Standard	Standard
Trim, Exterior	Chomline	Chomline	Chromline
Wheels: 20 inch Alloy, Mercurio design	Optional	Optional	Standard
Wheels: 19 inch Tritone design	Standard	Standard	Optional
Windows, Electrically operated, one touch in the front	Standard	Standard	Standard
Windscreen wash nozzles, heated	Standard	Standard	Standard
INTERIOR			
Armrest, front: Padded leather, with twin mechanical opening mechanism for illuminated storage compartment that is air conditioned contains 12V socket.	Standard	Standard	Standard
Armrest, rear with USB connection, 12V socket, two cupholders	Standard	Standard	Standard
Clock, Maserati design with chrome trim and blue details	Standard	Standard	Standard
Gear shift paddles, aluminium	Standard	Standard	Standard
Gear stick controls: Electronic Stability Control OFF, manual mode, I.C.E., SPORT, suspension stiffness control.	Standard	Standard	Standard
Instrument display: Twin Instrument cluster dials in Maserati blu color, with white back lighting, TFT trip computer/message	Standard	Standard	Standard



screen			
Key Fob: Aluminium with key-less entry and key-less go function (includes: lock/unlock button, boot opening, exterior light on).	Standard	Standard	Standard
Lighting, interior ambient dashboard, door, pockets, footwells	Standard	Standard	Standard
Lighting, map lights front and rear	Standard	Standard	Standard
Rear View mirror, auto dipping	Standard	Standard	Standard
Seat, rear, foldable 40 per cent split	Standard	Standard	Standard
Seats, electrically adjustable, 8 way/4 lumbar	Standard	Standard	Standard
Seats, front, heated	Standard	Standard	Standard
Seats, front: standard leather with V8 specific design "Y shape"	N/A	N/A	Standard
Seats, Front: standard leather with V6 vertical rib designs	Standard	Standard	N/A
Seats, Memory - two driver's side memories	Standard	Standard	Standard
Steering column: auto move for car egress	Standard	Standard	Standard
Steering column: electrically adjustable, height and reach	Standard	Standard	Standard
Steering column: memory, with seat setting	Standard	Standard	Standard
Steering Wheel: fine leather, three spoke with controls	Standard	Standard	Standard
Steering Wheel: functions cruise control, central cluster display management, voice command recognition, volume and radio tuner, channel selection.	Standard	Standard	Standard
Storage areas: Door pockets, front and rear, illuminated	Standard	Standard	Standard
Storage areas: Centre Console, media box with USB and AUX connections, 12V socket	Standard	Standard	Standard
Storage areas: Centre Console, with cup holders, cigar lighter	Standard	Standard	Standard
Storage areas: front glove box, illuminated	Standard	Standard	Standard
Storage areas: pockets on the back of the front seats	Standard	Standard	Standard
Sunroof, electric with shade and tilt	Optional	Standard	Standard
Sunshade, rear side doors, powered	Standard	Standard	Standard
Sunshade, rear window, powered			Standard
Trim: High gloss Erable wood on dashboard, door panels, central tunnel.	Optional	Optional	Standard
Trim: Open pore RADICA wood trim	Standard	Standard	Optional
Upholstery, Maserati Trident logo embossed	Standard	Standard	Standard
Upholstery: Standard grain leather upholstery on upper/lower dashboard, armrests, door handles and seats.	Standard	Standard	Standard
Ventilation: Climate Control Air Conditioning, dual zone	Standard	Standard	Standard
Ventilation: outlets, front	9	9	9
Ventilation: outlets, rear	4	4	4



TELEMATICS

Audio inputs: Bluetooth streaming, USB, AUX-in	Standard	Standard	Standard
Bowers & Wilkins Sound System	Optional	Optional	Optional
MTC "Maserati Touch Control" unit. 8,4" touch screen display including: navigation, radio, CD/DVD audio/video player, SD card reader, USB, Aux-in, Bluetooth function for audio streaming, climate controls, phone devices, car set up.	Standard	Standard	Standard
Premium Audio System	Standard	Standard	Standard
Speakers, number	10	10	10
Speakers, watts	600	600	600