

# Your Ultimate Source for OEM Repair Manuals

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## 2005 TOYOTA Corolla 5 Doors OEM Service and Repair Workshop Manual

[Go to manual page](#)

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Radiator upper air guide plate x Radiator assembly	6.0	61	53

**RADIATOR (for High Temperature)**

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Radiator upper air guide plate x Radiator assembly	6.0	61	53
Radiator assembly x Vehicle body	6.0	61	53

**HEAT MANAGEMENT MODULE**

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Water valve x Engine assembly	9.0	92	80

**COOLANT LINE**

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
No. 2 water by-pass hose x Engine assembly	8.0	82	71

**COOLANT PIPE (for Front Side)**

PART TIGHTENED	N*M	KGF*CM	FT.*LBF
No. 2 water by-pass hose x Engine water pump assembly	10.5	107	8
Water inlet x Water inlet housing	10.5	107	8

**COOLANT PIPE (for Rear Side)**

PART TIGHTENED	N*M	KGF*CM	FT.*LBF
No. 2 water by-pass pipe x Water inlet housing	10.5	107	8
No. 3 water by-pass pipe x No. 2 water by-pass pipe	10.5	107	8

**FAN SHROUD**

PART TIGHTENED		N*M	KGF*CM	FT.*LBF	IN.*LBF
upper radiator support sub-assembly x Vehicle body	Bolt (1)	19	194	14	
	Bolt (2)	56	571	41	

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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -       ]
Title: SPECIFICATIONS: B58 COOLING: SERVICE DATA; 2020 - 2025 MY Supra [03/2019 -       ]		

SERVICE DATA

Radiator

ITEM	CONDITION	SPECIFIED CONDITION
Reserve tank cap	Minimum pressure	140 kPa (1.4 kgf/cm <sup>2</sup> , 20 psi)

Coolant (for High Temperature)

CAPACITY	CLASSIFICATION
10.5 liters (11.1 US qts, 9.2 Imp. qts)	Antifreeze and Corrosion Inhibitor Frostox HT-12

Coolant (for Low Temperature)

CAPACITY	CLASSIFICATION
4.0 liters (4.2 US qts, 3.5 Imp. qts)	Antifreeze and Corrosion Inhibitor Frostox HT-12



PART TIGHTENED	N*M	KGF*CM	FT.*LBF
No. 1 front bumper bracket plate x Front bumper side bracket	19	194	14

**RADIATOR (for Low Temperature)**

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Radiator upper air guide plate x Radiator assembly	6.0	61	53

**RADIATOR (for High Temperature)**

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Radiator upper air guide plate x Radiator assembly	6.0	61	53
Radiator assembly x Vehicle body	6.0	61	53

**HEAT MANAGEMENT MODULE**

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Water valve with bracket assembly x Engine assembly	9.0	92	80

**COOLANT LINE**

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
No. 2 water by-pass hose x Engine assembly	8.0	82	71

**COOLANT PIPE**

PART TIGHTENED	N*M	KGF*CM	FT.*LBF
No. 2 water by-pass hose x Engine water pump assembly	10.5	107	8
Water inlet x Water inlet housing	10.5	107	8

**FAN SHROUD**

PART TIGHTENED	N*M	KGF*CM	FT.*LBF	IN.*LBF
upper radiator support sub-assembly x Vehicle body	Bolt (1)	19	194	14
	Bolt (2)	56	571	41
	Bolt (3)	8.0	82	71

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Title: SPECIFICATIONS: B46 LUBRICATION: TORQUE SPECIFICATIONS; 2021 - 2025 MY Supra [07/2020 -       ]		

TORQUE SPECIFICATIONS

Oil Pressure Sensor

PART TIGHTENED	N*M	KGF*CM	FT.*LBF
Oil pressure sensor x Cylinder block sub-assembly	15	153	11

Oil Level Sensor

PART TIGHTENED		N*M	KGF*CM	IN.*LBF
Engine oil level sensor x Oil pan sub-assembly	1st	2.0	20	18
	2nd	8.0	82	71

Oil Pump

PART TIGHTENED		N*M	KGF*CM	FT.*LBF	IN.*LBF
Oil pump drive shaft gear x Oil pump assembly	1st	5.0	51		44
	2nd	Turn 90°			
Oil pump assembly x Cylinder block sub-assembly	1st	15	153	11	
	2nd	Turn 45°			

Oil Pan

PART TIGHTENED		N*M	KGF*CM	FT.*LBF	IN.*LBF
Engine oil level sensor x Oil pan sub-assembly	1st	2.0	20		18
	2nd	8.0	82		71
Oil pan sub-assembly x Automatic transmission assembly		19	194	14	
Oil pan sub-assembly x Cylinder block sub-assembly, timing gear case		24	245	18	

Oil Pressure Control Valve