

# Your Ultimate Source for OEM Repair Manuals

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## 2005 TOYOTA Avensis Wagon OEM Service and Repair Workshop Manual

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PART TIGHTENED	N*M	KGF*CM	FT.*LBF	IN.*LBF
Throttle body with motor assembly x Intake manifold	7.0	71		62
Throttle body with motor assembly set bolt	11.8	120	9	

#### ACCELERATOR PEDAL

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Accelerator pedal sensor assembly x Vehicle body	7.6	77	67

#### MASS AIR FLOW METER

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Mass air flow meter x Air cleaner assembly	1.4	14	12

#### AIR PRESSURE SENSOR

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Air pressure sensor x No. 2 air cleaner hose	4.0	41	35

#### CAMSHAFT POSITION SENSOR

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Camshaft position sensor x Cylinder head cover sub-assembly (for Intake Side)	4.0	41	35
Camshaft position sensor x Cylinder head cover sub-assembly (for Exhaust Side)	4.0	41	35

#### CRANKSHAFT POSITION SENSOR

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
No. 3 automatic transmission oil cooler tube clamp set screw	5.0	51	44
No. 2 automatic transmission oil cooler tube clamp set bolt	8.0	82	71
Crankshaft position sensor x Cylinder block sub-assembly	4.6	47	41

#### IGNITION COIL AND SPARK PLUG

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Ignition coil assembly x Cylinder head cover sub-assembly	8.0	82	71

#### ENGINE COOLANT TEMPERATURE SENSOR (for Engine)

PART TIGHTENED	N*M	KGF*CM	IN.*LBF
Ground cables set nut	5.0	51	44



Sample

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<b>Model Year Start:</b> 2021	<b>Model:</b> Supra	<b>Prod Date Range:</b> [07/2020 -       ]
<b>Title:</b> SPECIFICATIONS: B46 ENGINE MECHANICAL: TORQUE SPECIFICATIONS; 2021 - 2025 MY Supra [07/2020 -       ]		

TORQUE SPECIFICATIONS

V-RIBBED BELT TENSIONER

PART TIGHTENED	N*M	KGF*CM	FT.*LBF
V-ribbed belt tensioner assembly x Generator assembly	28	286	21

DEFLECTING ELEMENT

PART TIGHTENED	N*M	KGF*CM	FT.*LBF
Deflecting element x V-ribbed belt tensioner assembly	28	286	21

ENGINE MOUNTING

PART TIGHTENED			N*M	KGF*CM	FT.*LBF	IN.*LBF
No. 1 front engine mounting bracket RH x Cylinder block sub-assembly			38	387	28	
No. 1 front engine mounting bracket LH x Cylinder block sub-assembly			38	387	28	
Front engine mounting insulator x Front suspension crossmember sub-assembly			19	194	14	
Front suspension crossmember sub-assembly x Vehicle body	Bolt (1)	1st	56	571	41	
		2nd	Turn 45°			
	Bolt (2), (3), (4)	1st	108	1101	80	
		2nd	Turn 45°			
Front suspension crossmember sub-assembly x Front bumper lower side support			19	194	14	
Floor wire x Front suspension crossmember sub-assembly			8.0	82		71
Front engine mounting insulator x No. 1 front engine mounting bracket			100	1020	74	

TIMING CHAIN

PART TIGHTENED	N*M	KGF*CM	FT.*LBF
No. 1 chain vibration damper x Cylinder block sub-assembly	20	204	15

PART TIGHTENED	N*M	KGF*CM	FT.*LBF	IN.*LBF
Chain damper guide x Cylinder head sub-assembly	8.0	82		71
No. 2 rear cylinder block cover x Cylinder head sub-assembly	8.0	82		71

CRANKSHAFT

PART TIGHTENED		N*M	KGF*CM	FT.*LBF
Crankshaft bearing cap x Cylinder block sub-assembly	1st	25	255	18
	2nd	Turn 65°		
	3rd	Turn 65°		
No. 1 balanceshaft x Cylinder block sub-assembly	1st	40	408	30
	2nd	Turn 70°		
No. 2 balanceshaft driven gear x Cylinder block sub-assembly		70	714	52
No. 1 oil pan baffle plate x Cylinder block sub-assembly	1st	15	153	11
	2nd	Turn 45°		
Oil pan sub-assembly x Cylinder block sub-assembly, timing gear case		24	245	18

FRONT CRANKSHAFT OIL SEAL

PART TIGHTENED		N*M	KGF*CM	FT.*LBF
Crankshaft pulley assembly x Crankshaft	1st	40	408	30
	2nd	Turn 120°		

TIMING GEAR CASE

PART TIGHTENED		N*M	KGF*CM	IN.*LBF
Crankshaft position sensor x Cylinder block sub-assembly		4.6	47	41
Timing gear case x Cylinder block sub-assembly	1st	8.0	82	71
	2nd	Turn 90°		