

Note: The information is for the standard engine as described in Nissan's maintenance manual. Tightening torque may differ for tuned engines.

A-type engine main tightening torque Nissan Service Data

item	Series	Passenger cars			Van series	
	Engine type A12A	A14		A12	A14	
	Transmission Type	M/T	M/T	A/T	M/T	
Engine body related						
Cylinder Head		7.0 - 8.0	←	←	6.5~7.5 7.0~8.0	
Main Bearing Cap		5.0 - 6.0	←	←	←	
Connecting rod cap		3.2-3.8	←	←	←	
Flywheel Bolts		8.0 - 9.0	←	←	←	
Drive Plate		—	—	8.0 - 9.0	—	
Cam Sprocket		4.0 - 4.8	←	←	←	
Crank Pulley Bolt		150.~20.0	←	←	←	
Valve rocker adjust nut		1.2-1.9	←	←	←	
Valve Rocker Bracket		2.0-2.5	←	←	←	
Oil pan bolt		0.4-0.6	←	←	←	
Oil pan drain plug		2.0-3.0	←	←	←	
Intake manifold (Mounting to head) Bolt		1.6-2.1	←	←	0.9-1.4 1.6-2.1	
Exhaust manifold (attached to head) Nuts and bolts, nuts		1.6-2.1	←	←	0.9-1.4 1.6-2.1	

A-type development information

A-type camshaft material

We are currently developing a camshaft material that is durable and precise enough to withstand the harsh conditions of use in racing cars.



A-type high-pressure, large-capacity oil pump

We are currently developing a high-pressure, large-capacity oil pump, which is essential for A-type high-output, high-revving engines.

