

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 model A12A	A14			A12	A14
	Transmission type	M/T	M/T	A/ T	M/T	M/T
Engine body related parts						
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 bolt		8.0 - 9.0	←	←	←	←
Drive Plate		—	—	8.0 - 9.0	—	—
Cam sprocket		4.0 - 4.8	←	←	←	←
Crank pulley bolt		15.0 - 20.0	←	←	←	←
Valve rocker adjustment 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 the head) Nuts and co-fastening bolts, nuts		1.6 - 2.1	←	←	0.9 - 1.4	1.6 - 2.1

Type A development information

Type A TS specification valvespring (compatible with Kameari TS specification camshaft)



The use of new camshaft materials and hollow big valve lifters has expanded the freedom of cam profile feel.
The TS specification camshaft achieves unprecedented high-speed valve operation, resulting in a high-lift camshaft. The valve springs play a crucial role in ensuring the valves follow the camshaft's profile. By using a set load that prioritizes instantaneous power and an appropriate full load that suppresses jumping at high RPMs, it becomes possible to maximize the camshaft's performance.

A type New product information

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



Well-balanced with 130% more discharge volume than stock and maximum oil pressure of 60MPa
High-pressure, large-capacity oil pump with settings.
All assembly processes are carried out in-house at Kameari Engine Works,
High inspection standards are met, and safety is ensured through increased precision.
We are doing it.

price: ¥60,000