

Front Disc Brake - 4.2L NA V8 - AJV8/4.2L SC V8 - AJV8 -

Brake Disc

Item	Specification
Disc type	Ventilated
Disc diameter	326 mm (12.83 in)
Disc diameter (Supercharged models)	355 mm (13.98 in)
Disc diameter (vehicles fitted with Alcon braking system)	400 mm (15.75 in)
Disc thickness (new)	30 mm (1.18 in)
Disc thickness (Supercharged models new)	32 (1.26 in)
Disc thickness (vehicles fitted with Alcon braking system new)	36 mm (1.42 in)
Minimum disc thickness (service limit)	28 mm (1.10 in)
Minimum disc thickness (Supercharged models service limit)	30mm (1.18 in)
Minimum disc thickness (vehicles fitted with Alcon braking system service limit)	34 mm (1.34 in)
Disc thickness variation (new)	0.008 mm (0.0003 in)
Maximum disc run-out - installed	0.09 mm (0.0035 in)
Maximum hub face run-out - installed	0.0135 mm (0.00053 in)

Caliper and pads

Item	Specification
Caliper	Floating cast iron caliper with 60 mm single piston
Caliper (Supercharged models)	Floating cast iron/aluminium composite caliper with 60mm single piston
Caliper (vehicles fitted with Alcon braking system)	Opposed aluminium caliper with 6 pistons. Piston diameters 38.1 mm, 34.9 mm and 30.2 mm
Minimum pad thickness (service limit)	2 mm (0.078 in)
Minimum pad thickness (vehicles fitted with Alcon braking system service limit including brake pad back plate)	8.5 mm (0.335 in)

Torque Specifications

Item	Nm	lb-ft
Brake caliper anchor plate - bolts*	115	85
Brake caliper - guide pins	28	21
Brake caliper - guide pins (Supercharged models)	58	43
Brake hose to caliper - union	35	26
Brake hose to caliper - union (Supercharged models)	38	28

* New nuts/bolts must be installed

Torque Specifications - vehicles fitted with Alcon braking system

• NOTE: Alcon brake system can be identified by the existence of half-moon shaped marking in the friction surface of the brake disc.

Item	Nm	lb-ft
Brake caliper anchor plate to wheel knuckle - bolts*	108	80
Brake caliper to caliper anchor plate - bolts	115	85

* New nuts/bolts must be installed