
GROUP 26

FRONT AXLE

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GENERAL INFORMATION

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The front axle consists of front hubs, knuckles, wheel bearings and driveshafts, and has the following features:

- The wheel bearing is a double-row angular contact ball bearing which incorporates the oil seals and is highly resistant to thrust loads.
- The driveshaft incorporates EBJ-ETJ type constant velocity joints which have the advantage of low vibration and noise.
- Due to the use of the inner shaft and bracket assembly, the right and left driveshafts are approximately the same in length. This reduces noise, vibration and torque steer.

- The dynamic damper has been mounted on the left driveshaft to reduce differential gear noise.
- ABS rotors for detecting the wheel speed are press-fitted to the EBJ.

EBJ:Eight Ball Fixed Joint; The use of the smaller-sized eight balls inside the joint achieves weight saving and compact size compared with a BJ (Birfield Joint).

ETJ:Eco type Tripod Joint

SPECIFICATIONS

Item			Specification
Wheel bearing	Type		Double-row angular contact ball bearing
	Bearing (OD × ID) mm		80 × 40
Driveshaft	Joint type	Outer	EBJ
		Inner	ETJ
	Length (joint to joint) × diameter mm	LH	375.1 × 24
		RH	464.1 × 30

CONSTRUCTION DIAGRAM

