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**GROUP 26**

**FRONT AXLE**

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# GENERAL DESCRIPTION

M2260000100132

The front axle consists of front wheel hub assembly, knuckles and drive shafts, and has the following features:

- The wheel bearing incorporates a unit ball bearing (double-row angular contact ball bearing) for reduced friction.
- The front wheel hub assembly combines the hub, wheel bearing, housing, and oil seal in a single unit for fewer parts, better rigidity, improved assembly precision, and better structural organization.
- The drive shaft on wheel side incorporates an EBJ type constant velocity joint.

- The drive shaft on the differential side incorporates a TJ type constant velocity joint.
- ABS rotors for detecting the wheel speed are press-fitted to the EBJ.
- For environmental protection, a lead-free grease is used on the joints.

**NOTE:**

- *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).*
- *TJ: Tripod Joint*

## SPECIFICATIONS

ITEM		SPECIFICATION	
Wheel bearing	Type	Unit ball bearing (Double-row angular contact ball bearing)	
Driveshaft	Joint type	Outer	EBJ
		Inner	TJ
	Length (joint to joint) × diameter mm (in)	Left	352.5 × 26 (13.9 × 1.0)
		Right	429.5 × 26 (16.9 × 1.0)

*NOTE: The wheel bearing is part of the hub, therefore its size is not listed here.*

## CONSTRUCTION DIAGRAM

