

GROUP 26

FRONT AXLE

CONTENTS

GENERAL INFORMATION.....	26-2
--------------------------	------

GENERAL INFORMATION

M22600000001USA0000010001

For the front axle, the double-row angular contact ball bearing with an integral oil seal is adopted as a wheel bearing, and EBJ-PTJ type constant velocity joint as a driveshaft.

It has the following features:

- The driveshaft incorporates EBJ-PTJ type constant velocity joints with high transmission efficiency for 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.<FWD-RH>

- The long stem integrated with the differential side constant velocity joint is adopted to streamline the structure.<AWD-RH>
- Lead-free grease for the constant velocity joint is adopted.
- Hexavalent chromium is eliminated from the dust cover material.
- The number of parts is reduced by integrating the magnetic encoder for ABS wheel speed detection into the wheel bearing.

NOTE:

EBJ (High Efficiency Compact Birfield Joint): the lighter and smaller constant velocity joint compared with the conventional BJ has been achieved by adopting the eight small balls.

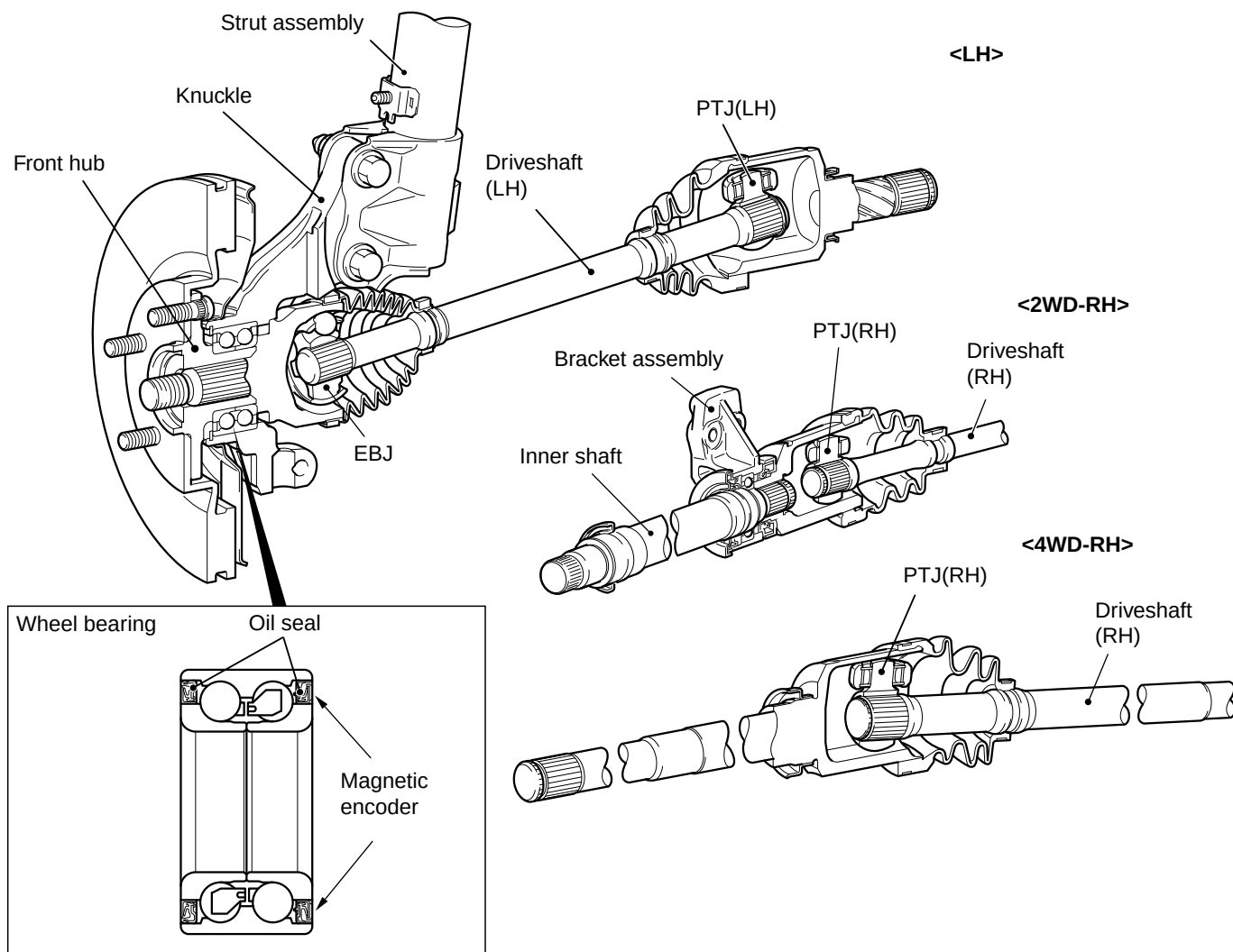
PTJ (Pillow Tripod Joint)

SPECIFICATIONS

Item		Specification	
Wheel bearing	Bearing type	Unit bearing (double-row angular contact ball bearing)	
	Bearing (Outer diameter x inside diameter) mm (in)	80 × 43 (3.15 × 1.69)	
Driveshaft	Joint type	Outside	EBJ
		Inside	PTJ
	Shaft length* x shaft diameter mm (in)	LH	371.0 × 26.5 (14.6 × 1.0)
		FWD-RH	412.5 × 29 (16.2 × 1.1)
		AWD-RH	499.5 × 33 (19.7 × 1.4)

NOTE: *: Indicates the distance between each joint center.

CONSTRUCTION DIAGRAM



ZC501780000

MEMO