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D2 PROPELLER SHAFT/AXLE

FRONT AXLE

1 OUTLINE

1-1 DESCRIPTION

1.As regards the front drive shaft, an undercut free type constant-velocity joint has been employed at the wheel side; and a tripod type constant-velocity joint at the differential side.Especially the joint at the wheel side has adopted a high-angle corresponding type joint .

The undercut free type constant-velocity joint at the wheel side mainly corresponds to the change in angle of the steering tires. Conversely, the tripod type joint at the differential side mainly corresponds to the change in length of the axle as a result of the movement of the suspension.

2.By employing such construction that the sensor rotor for ABS vehicles is installed at the hub side, it has become possible to use the same drive shaft for the ABS-equipped vehicles and non-ABS vehicles.

3.The joint at the wheel side of the front drive shaft has employed a resin boot.

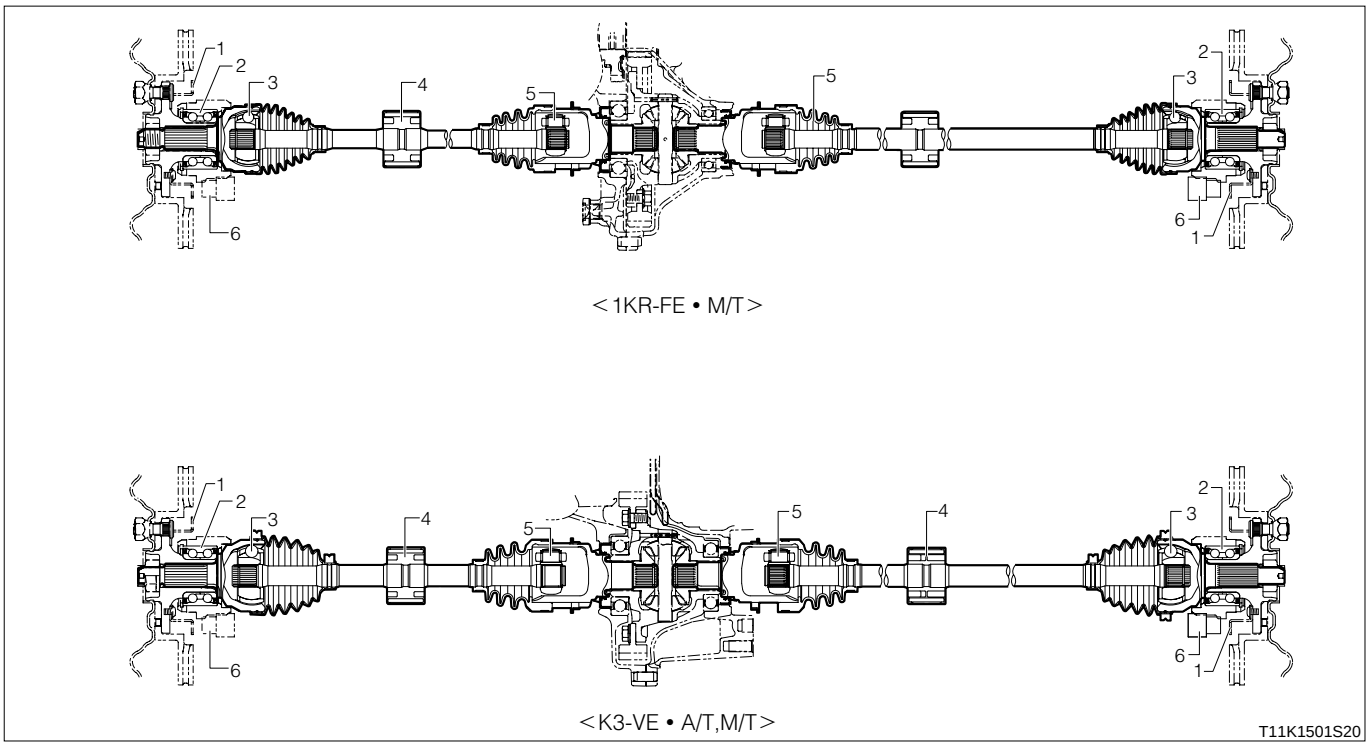
4.The wheel bearing has adopted an angular ball bearing that features excellent resistance to loads in the thrust direction and a less rolling resistance. This bearing is to be mounted on the hub.

1-2 SPECIFICATION

Specifications of front drive shaft

Drive method		2WD	
Engine type		1KR−FE	K3−VE
Joint type	Wheel side	Undercut free type	
	Differential side	Tripod type	
Distance between joints (mm)	RH	665.3	657.0
	LH	442.0	435.0
Diameter of intermediate shaft (mm)	RH	23.0 Dia. (with Dynamic Damper)	23.0 Dia. (with Dynamic Damper)
	LH	19.0 Dia. (with Dynamic Damper)	23.0 Dia. (with Dynamic Damper)

1-3 SECTIONAL VIEW



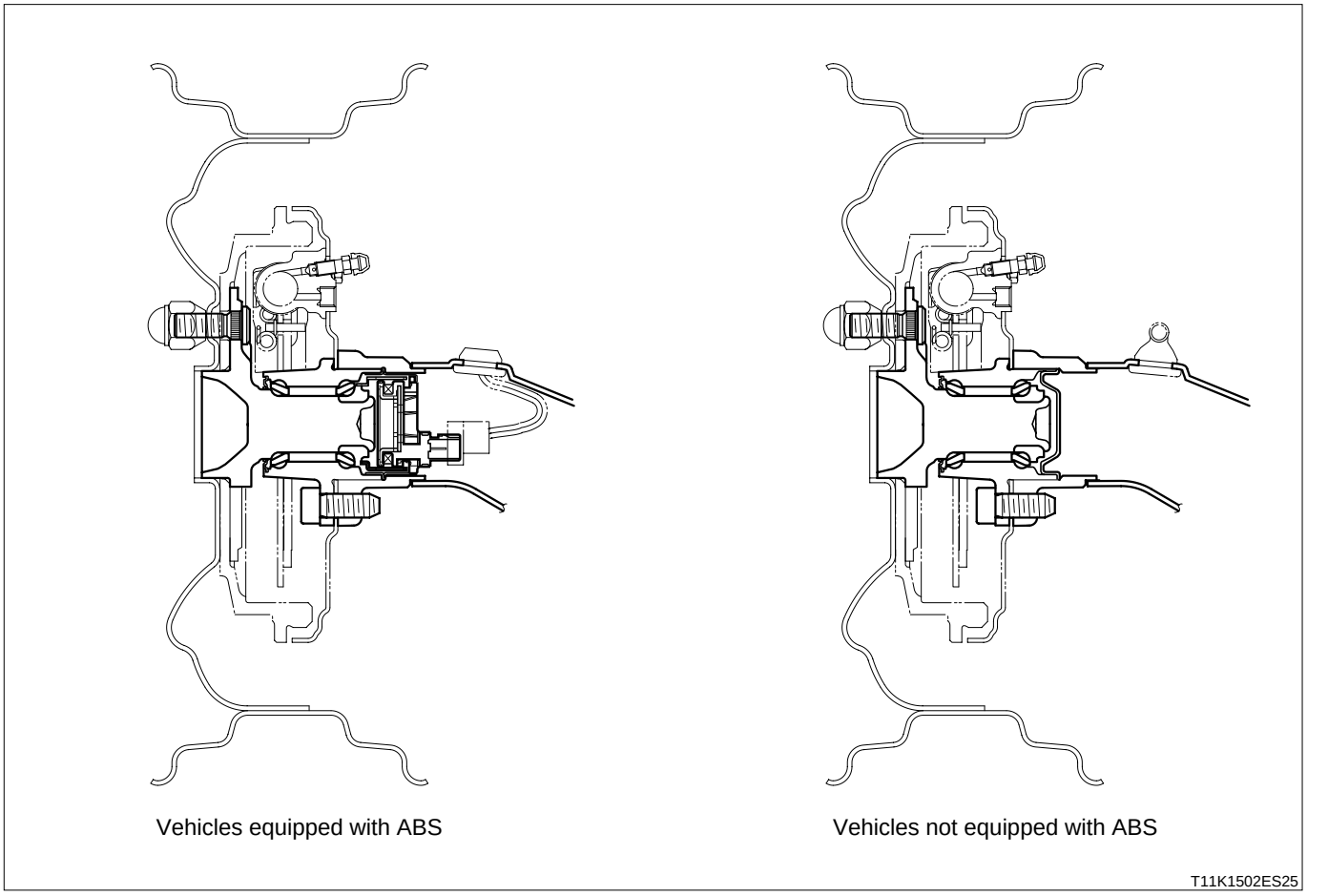
1	Sensor rotor(vehicles equipped with ABS)	4	Dynamic damper
2	Angular ball bealing	5	Tripod type constant-velocity joint
3	Undercut free type constant-velocity joint	6	Wheel speed sensor(vehicles equipped with ABS)

REAR AXLE

1 OUTLINE

1-1 DESCRIPTION

1. On 2WD vehicles equipped with ABS, an angular ball bearing has been employed in the same way as the front side. The hub, bearing, wheel speed sensor and sensor rotor have been integrated, thus making up a unit construction.
2. On 2WD vehicles not equipped with ABS, an angular ball bearing has been employed in the same way as the front side. The hub and bearing have been integrated, thus making up a unit construction.



Vehicles equipped with ABS

Vehicles not equipped with ABS

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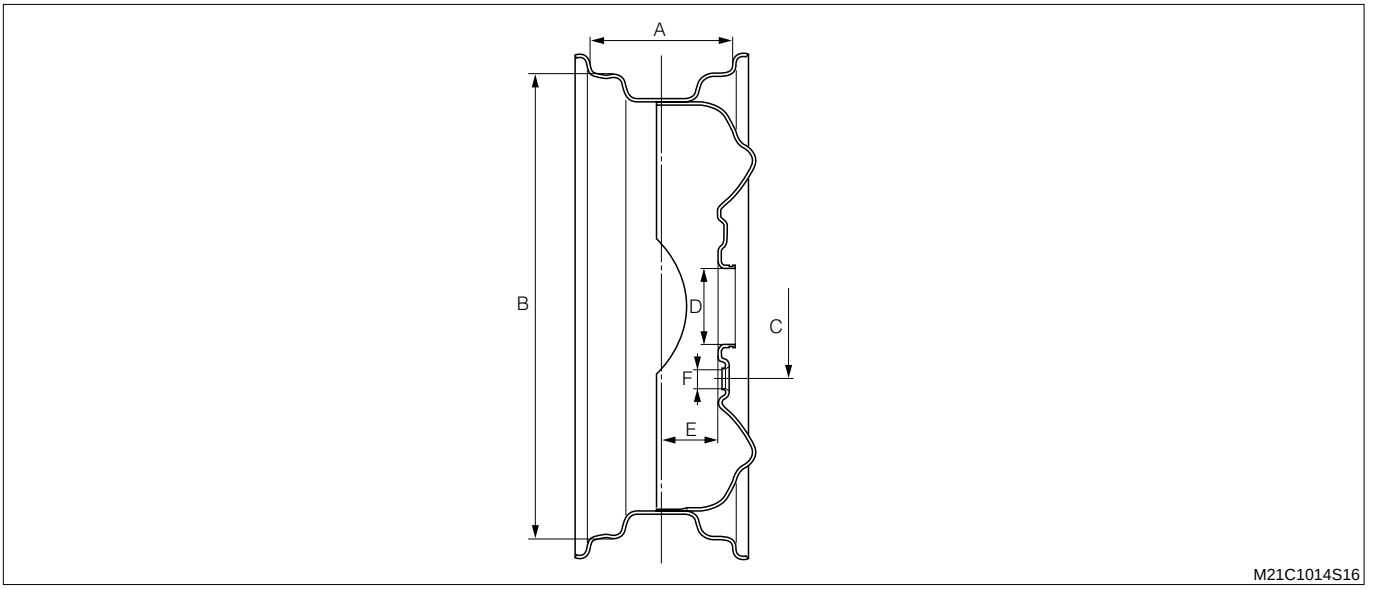
Steel wheel



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