

# GENERAL DESCRIPTION

Manual Transmission and Differential

## 1. General Description S503001

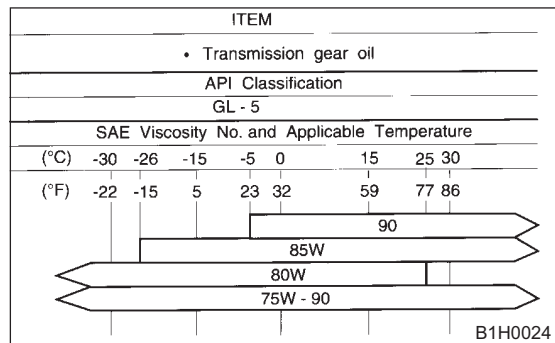
### A: SPECIFICATIONS S503001E49

#### 1. MANUAL TRANSMISSION AND DIFFERENTIAL S503001E4901

Item		Model			
		BRIGHTON	L	GT	OUTBACK
Type		5-forward speeds with synchromesh and 1-reverse			
Transmission gear ratio	1st	3.454			
	2nd	2.062			
	3rd	1.448			
	4th	1.088			
	5th	0.780		0.871	
	Reverse	3.333			
Front reduction gear	Final	Type of gear	Hypoid		
		Gear ratio	3.900		4.111
Rear reduction gear	Transfer	Type of gear	Helical		
		Gear ratio	1.000		
	Final	Type of gear	Hypoid		
		Gear ratio	3.900		4.111
Front differential	Type and number of gear	Straight bevel gear (Bevel pinion: 2, Bevel gear: 2)			
Center differential	Type and number of gear	Straight bevel gear (Bevel pinion: 2, Bevel gear: 2 and viscous coupling)			
Transmission gear oil		GL-5			
Transmission oil capacity		3.5 ℓ (3.7 US qt, 3.1 Imp qt)			

#### 2. TRANSMISSION GEAR OIL S503001E4902

##### Recommended oil



#### 3. TRANSMISSION CASE ASSEMBLY S503001E4903

Drive pinion shim adjustment  
 Hypoid gear backlash  
 0.13 — 0.18 mm (0.0051 — 0.0071 in)

Drive pinion shim			
Part No.	Thickness mm (in)	Part No.	Thickness mm (in)
32295AA031	0.150 (0.0059)	32295AA071	0.250 (0.0098)
32295AA041	0.175 (0.0069)	32295AA081	0.275 (0.0108)
32295AA051	0.200 (0.0079)	32295AA091	0.300 (0.0118)
32295AA061	0.225 (0.0089)	32295AA101	0.500 (0.0197)

##### Selection of main shaft rear plate

Main shaft rear plate		
Dimension "A" mm (in)	Part No.	Mark
4.00 — 4.13 (0.1575 — 0.1626)	32294AA041	1
3.87 — 3.99 (0.1524 — 0.1571)	32294AA051	2