

GENERAL SPECIFICATIONS

Items	Specifications
Transmission model	F5M51-1-F5N
Gear Ratios	
1st gear	3.583
2nd gear	2.105
3rd gear	1.407
4th gear	1.031
5th gear	0.761
Reverse	3.416
Final drive	3.722

SERVICE SPECIFICATIONS

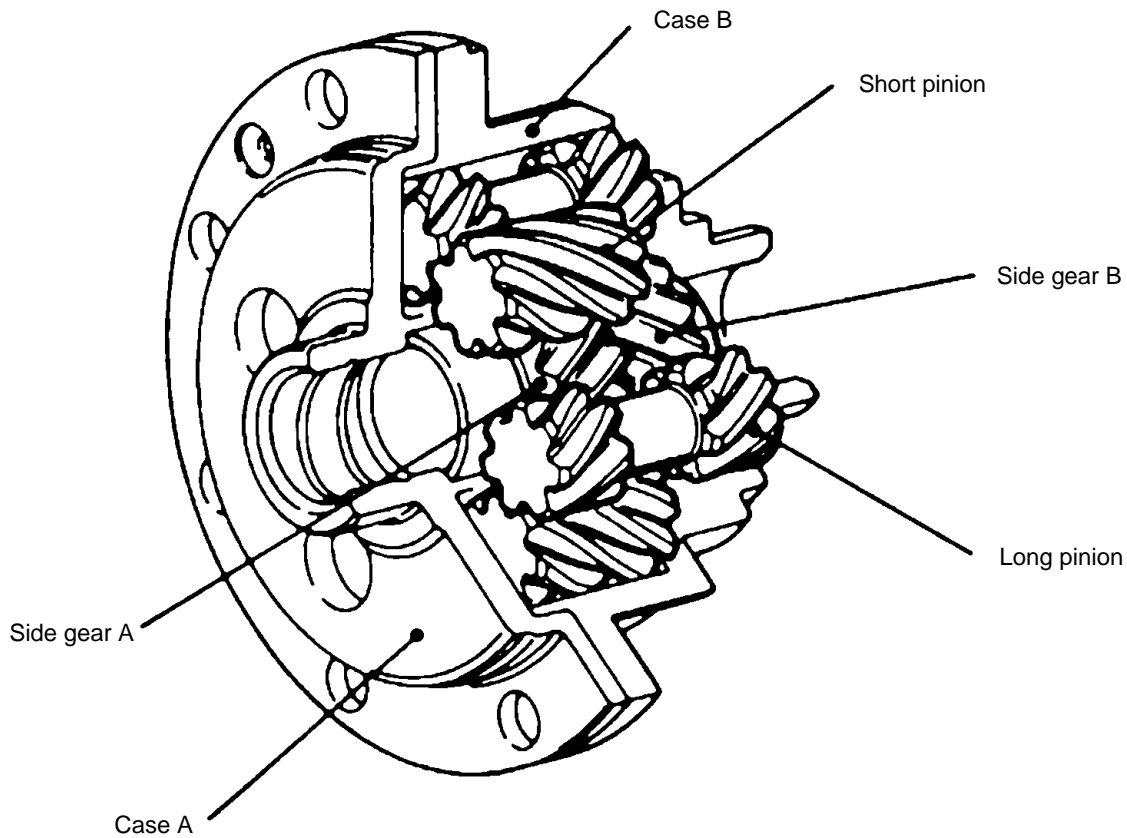
Items	Specifications
Input shaft front bearing end play	0.05–0.17 mm
Input shaft 5th gear end play	0.01–0.09 mm
Input shaft rear bearing end play	0.01–0.12 mm
Output shaft 3rd gear end play	0.01–0.09 mm
Differential case preload	0.05–0.11 mm
Clearance between synchroniser ring and gear	0.5 mm max.
Output shaft preload	0.13–0.18 mm
Output shaft bearing end play	0.01–0.09 mm

LUBRICANTS

Items	Specified lubricant	Quantity
Transmission oil	Hypoid gear oil SAE 75W-85W conforming to A.P.I. classification GL-4	2.8 litres
Input shaft oil seal lip	Mitsubishi genuine grease Part No. 0101011 or equivalent	as required
Selector lever shoe	Mitsubishi genuine grease Part No. 0101011 or equivalent	as required

DIFFERENTIAL**CAUTION**

Do not disassemble the load sensitive differential case assembly.



09TJ012A

HELICAL LSD STRUCTURE

The LSD case assembly consists of 4 long pinions, 4 short pinions, 3 thrust washers, side gears A and B, and cases A and B.

The long pinions engage with side gear B and the short pinions, and the short pinions engage with side

gear A and the long pinions.

Compared with a regular mechanical LSD, the helical gear arrangement provides superior response to accelerator operations and enables better control of the vehicle.