

## 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

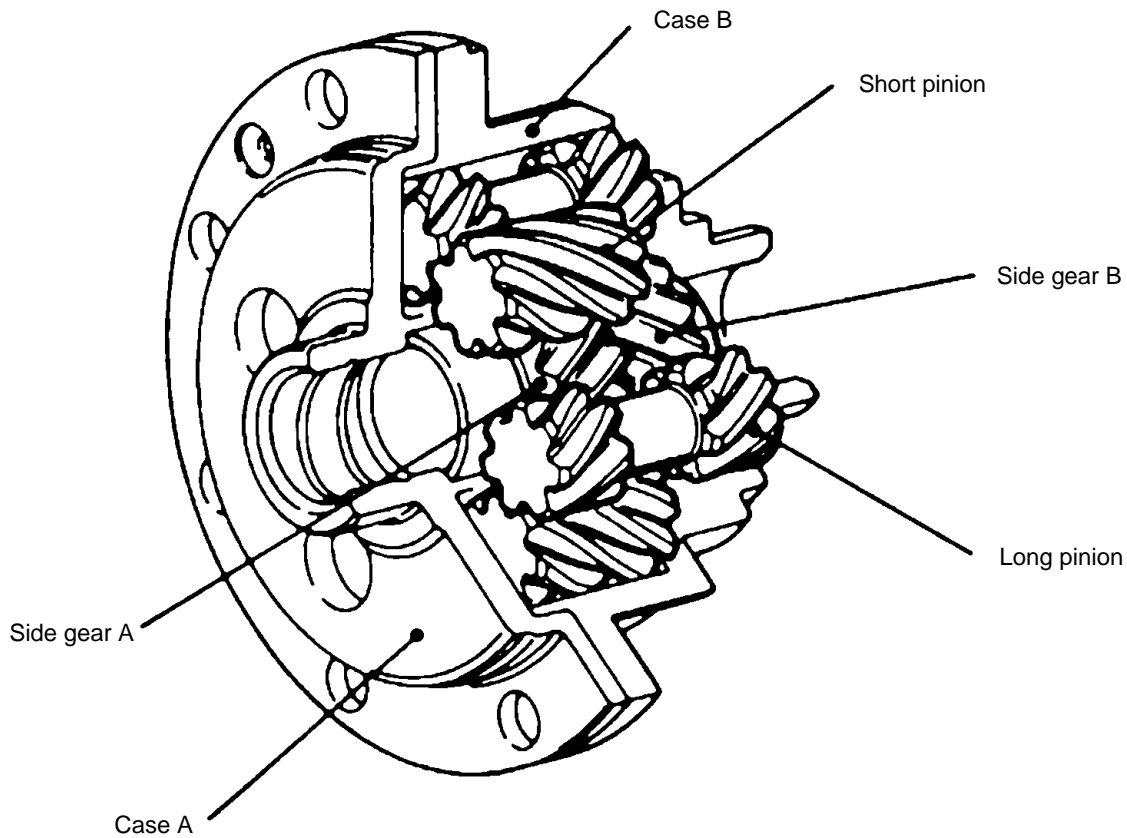
| Items  | Specifications |
|--|----------------|
| Input shaft front bearing end play           | 0.05–0.17 mm   |
| Input shaft 5th gear end play                | 0.01–0.09 mm   |
| Input shaft rear bearing end play            | 0.01–0.12 mm   |
| Output shaft 3rd gear end play               | 0.01–0.09 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.