TRANSFER SYSTEM

PRECAUTION

NOTICE:
When disconnecting the negative (-) battery terminal, initialize the following systems after the terminal is reconnected.

System Name	See procedure
Lighting System adaptive Front-Lighting System)	LI-17
Power Window Control System	WS-12
Power Back Door System	DL-8
Sliding Roof System	RF-22

1. **Before disassembly, clean the transfer assembly of any sand or mud to prevent it from entering inside the transfer during disassembly and assembly.**
2. **When removing any light alloy part such as a transfer cover, do not pry it off with a tool like a screwdriver, but tap it out with a plastic hammer instead.**
3. **Always arrange the removed parts properly and protect them from dust.**
4. **Before installation, clean and dry all parts completely, and then apply hypoid gear oil to each part. Do not use alkaline chemicals when cleaning aluminum, rubber parts, or ring gear set bolts. Also do not use any cleaning oil (ex. white gasoline) to clean the rubber parts such as O-rings and oil seals.**
5. **Apply hypoid gear oil to any sliding surface or rotating part.**
6. **Do not directly hold a part in a vise. Make sure to put an aluminum sheet between them.**
7. **Replace any damaged or deformed snap ring with a new one.**
8. **If there is a scratch on the contact surface of the case, it may cause oil leakage. Therefore, be careful not to to damage the contact surface when handling it.**
9. **Before applying a sealant, completely remove any old sealant stuck on the parts and clean with white gasoline.**
10. **Do not add oil immediately after installing sealed parts. Leave for 1 hour or more.**
11. **Scratches on a contact surface of an oil seal, O-ring or gasket may cause oil leakage. Be careful not to damage the contact surface when handling the seals.**
12. **When press-fitting an oil seal, be careful not to damage the oil seal lip and around it.**
13. **When replacing a bearing, replace the inner and outer races as a set.**

PROBLEM SYMPTOMS TABLE

Transfer system

Symptom	Suspected area	See page
Noise	1. Oil (level low)	TF-3
	2. Backlash adjustment	TF-26
	3. Preload adjustment	TF-26
	4. Tooth contact adjustment	TF-26
	5. Transfer driven pinion bearing (worn)	TF-17
	6. Ring gear mounting case bearing (worn)	TF-26
Oil leakage	1. Oil (level too high)	TF-3
	2. Oil seal (worn or damaged) Right bearing retainer	TF-17
	3. Oil seal (worn or damaged) Transfer case	TF-17
	4. Oil seal (worn or damaged) Extension housing	TF-17
	5. Gasket (damaged)	TF-17
	6. Seal (damaged)	TF-17