



## **WORKSHEET 5-2**

### ***Transfer Case—Reassembly***

Vehicle:	Year/Prod. Date:	Engine	Transmission:
----------	------------------	--------	---------------

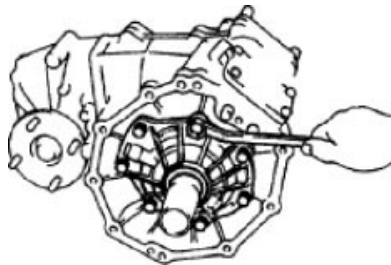
### **Worksheet Objectives**

With this worksheet, you will follow the assembly of a four wheel drive transfer case using the required special tools, make measurements where appropriate, retrieve and apply the needed service information, retrieve and interpret service specification information from the repair manual.

### **Tools and Equipment**

- Vehicle Repair Manual
- Hand Tool Set
- Dial Indicator and Stand
- Micrometer, 0-1 in.
- Feeler Gauge

### **Section 1: Case Reassembly**



1. Assemble planetary gear assembly.
2. Using a dial indicator, measure the input shaft axial play:  
 Measurement: \_\_\_\_\_ Specification: \_\_\_\_\_
3. If the snap ring has a mark designation of H and the axial play is 0.009 in., what is the mark designation of the shim that will bring the axial play within specification?  
 \_\_\_\_\_
4. What component holds the planetary ring gear from rotating?  
 \_\_\_\_\_
5. Assemble rear output shaft

6. Remeasure the rear output shaft drive sprocket thrust clearance following assembly:

Measurement: \_\_\_\_\_

Specification: \_\_\_\_\_

7. Install the planetary gear assembly, oil pump, rear output shaft, chain and driven sprocket.
8. Install the shift forks, shift shafts, rear case and extension housing.

# Transfer Case—Reassembly

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Review this sheet as you are doing the Transfer Case—Reassembly worksheet. Check each category after viewing the instructor's presentation and completing the worksheet. Ask the instructor if you have questions regarding the topics provided below. Additional space is provided under topic for you to list any other concerns that you would like your instructor to address. The comments section is provided for your personal comments, information, questions, etc.

I have questions

I know I can

## Topic

## Comment

Determine shim mark designation from the repair manual shim chart.			
Use a dial indicator to measure input shaft axial play.			
Explain the application of FIPG to the transfer case sealing surfaces.			



## Notes