Name:_____ Date:_____ Class_____

TASK Identify concerns related to variations in tire circumference and/or final drive ratios.

AST 3F4 **MAST 3F4**

Time off_____

Time on_____

Total time_____

CDX Tasksheet Number: C613

1. Research the effects of variations in tire circumference and final drive ratios on the operation of a four-wheel drive/all-wheel drive vehicle in the appropriate service information.

2. **What would the customer concern be for a 4-wheel drive/all-wheel drive vehicle equipped with different size tires?**

3. **What would the customer concern be for a vehicle equipped with different final drive ratios?**

4. **Set the tire pressure to the specified pressure. Measure the tire circumference for each tire and list below:**
   a. **Left front tire circumference: _____ in/mm**
   b. **Right front tire circumference: _____ in/mm**
   c. **Right rear tire circumference: _____ in/mm**
   d. **Left rear tire circumference: _____ in/mm**

5. **How much difference in circumference is generally allowable? _____ in/mm**

6. **Determine the final drive ratios for each axle assembly:**
   a. **Rear axle ratio: _____**
   b. **Front axle ratio: _____**

7. **Determine any necessary action(s):**

8. Have your supervisor/instructor verify satisfactory completion of this procedure, any observations found, and any necessary action(s) recommended.

Performance Rating

CDX Tasksheet Number: C613

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Supervisor/instructor signature _____ Date _____