

Name _____ Date _____ Class _____

SYNCHRONIZER CHALLENGE

NATEF Standard(s) for Manual Drive Train & Axles:

C11 Inspect and reinstall synchronizer hub, sleeve, keys (inserts), springs, and blocking rings.

Directions: Read the challenge below and then list (1) possible causes, (2) Safety First Practices, and (3) Tools and Equipment Required if a technician were to perform a Quick ✓ Check.

CUSTOMER'S CONCERN
My transmission grinds when making a 2-3 shift. The other gears work fine. Customer Vehicle: Volkswagen Jetta.

Possible Causes of This Challenge:
1. _____
2. _____
3. _____
4. _____
5. _____

Safety First Practices to Follow to Quick ✓ Check This Challenge:
1. _____
2. _____
3. _____
4. _____

Tools and Equipment Required to Quick ✓ Check This Challenge:
1. _____
2. _____
3. _____
4. _____
5. _____