

ANSWER KEY TO CHALLENGE SHEET

SYNCHRONIZER CHALLENGE

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. Worn synchronizer keys, snap rings, or blocking rings.
2. Worn microfinish on synchronizer hub.
3. Incorrect or low lubricant level.

Safety First Practices to Follow:

1. Wear safety glasses at all times.
2. Follow all safety rules when using hand tools.
3. Do not breathe in clutch dust.
4. Always follow lift operating instructions.

Tools and Equipment Required:

1. Hand tools.
2. Transmission jack.
3. Transmission specialty tools.