

Small Engine Service and Repair

Curriculum Guide: *Small Engine Service and Repair*

Module: 3. Rewind Starters

Unit Objective:

Students will apply principles of rewind starter service and repair by identifying starter components and servicing a variety of small engine starters.

Show-Me Standards: 1.10, CA3

References:

Briggs & Stratton Corporation. Accessed January 13, 2004, from <http://www.briggsandstratton.com>.

Kohler Engines. Accessed January 13, 2004, from <http://www.kohlerengines.com/>.

Small Engine Service and Repair. University of Missouri-Columbia, Instructional Materials Laboratory, 1994.

Instructional Strategies/Activities:

- Students will engage in study questions in lesson 1.
- Students will complete the Module 3 evaluation, Rewind Starters.
- Students will complete the following competency profile: Rewind Starters Service and Repair.
- Additional activities that relate to the unit objective can be found under the heading "Other Activities" in the following location: p. 3.7 (3, 6, 7, 8).

Performance-Based Assessment:

As part of the instructional strategies and activities for this module, students will service a rope-rewind starter, replace a starter rewind spring, replace a starter rope, service a starter clutch, and service a vertical pull starter.

Assessment will be based on performance on the module evaluation and the ability to safely and correctly perform the assigned repair and service procedures.

Module 3—Rewind Starters Instructor Guide

The instructor should assign the performance-based assessment activity procedures in conjunction with the relevant lesson material outlined in the instructor guide. Students will complete the activity procedures as they progress through the module lessons.

1. Use the Rewind Starters Service and Repair Competency Profile to assess student performance. This profile includes the procedures listed below. The page number indicates the location of a checklist for the procedure. The procedures and checklists are found in the student manual.
 - Model 120000 Quantum Rewind Starters, p. 16
 - Starter Service and Repair Model 60000, 80000, 90000, 100200, 100900, and 110000 Rewind Starters, p. 23
 - Vertical Pull Starters, p. 31
 - Starter Clutch, p. 35
2. Have students complete the Module 3 evaluation, Rewind Starters. Answers for the evaluation are found on pp. 3.7–3.8 of the instructor manual.
3. Because the student manual includes step-by-step instructions and an itemized checklist for each competency procedure, there is no student handout for this performance-based assessment activity. However, there is a scoring guide that can be used, if desired. The scoring guide lists the assessment activity procedures and includes spaces for points possible, points earned, and instructor comments.
4. The final assessment score will be based on the performance on the module evaluation and the ability to safely and correctly perform the assigned repair and service procedures.

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Module 3—Rewind Starters Scoring Guide

Name _____

Activity	Criteria	Points Possible	Points Earned	Instructor Comments
Rewind Starters Service and Repair Competency Profile	<input type="checkbox"/> Model 120000 Quantum rewind starters			
	<input type="checkbox"/> Starter service and repair model 60000, 80000, 90000, 100200, 100900, and 110000 rewind starters			
	<input type="checkbox"/> Vertical pull starters			
	<input type="checkbox"/> Starter clutch			
Module 3 Evaluation	Complete Module 3 evaluation			

Total Points Earned _____

