

Iowa FFA Agricultural Mechanics Contest
1993

CLASS III

State of Iowa
DEPARTMENT OF EDUCATION
Career Education Division
Grimes State Office Building
Des Moines, IA 50319

CONTESTANT NUMBER _____

CONTESTANT NAME _____

CONTESTANT SCHOOL _____

SKILL
Small Engines
(15 minutes)

- Adjust the armature air gap on the 80302 Briggs and Stratton Engine, using the tools provided.

Record service manual specification _____"

- Measure valve tappet clearance using the thickness gauge.

- service manual specification _____" to _____" for exhaust valve.
- actual clearance _____"
- service manual specification _____" to _____" for intake valve.
- actual clearance _____"

- Record the following information from the engine at station "C".

- complete engine model number _____
- engine serial number _____

Evaluation Score Sheet

<u>Items</u>	<u>Points</u>	
	<u>Possible</u>	<u>Earned</u>
1. Adjusting armature air gap	5	_____
Air gap specification	5	_____
2. Checking valve tappet clearance	5	_____
Clearance specification	5	_____
3. Model number	1	_____
Serial number	1	_____
4. Safety	3	_____
Total	25	_____