

## DEPARTMENT – BUILDING EXHIBITS

### SECTION - SMALL ENGINES

#### SPECIAL RULES

1. Read General Rules. Violation of any of the following rules may result in disqualification. All decisions will be made by a county agent and their decision is final.
2. Member is limited to a total of 5 entries in this section, but only one item per class. Items that have been in use should be cleaned for exhibit.
3. A sheet of operating instructions must be furnished for any exhibit that is not self-explanatory. Wiring diagrams are needed.
4. Any project with a complexity of size or electronics must have instructions for assembly and use; and equipment available at the time of judging for actual testing of the exhibit.
5. No hand dipped solder may be used on exhibits
6. Only those who have met the requirements of the small engine project are eligible to exhibit in this division.
7. Items that have been in use should be cleaned for exhibit.
8. Each Small Engines exhibit must include a "4-H Small Engines Information Form", which is available through your local K-State Research and Extension office or at <http://smallengines/engtechrks.com/>. This form must be attached to the outside of a 10' X 13" manilla envelope. Place them inside the manilla envelope. For notebooks, display boards, and posters, no additional exhibit information is required; no manilla envelope is needed for these exhibits.

All exhibits should involve engines smaller than 20 horsepower. Engine should contain no fuel in tank or carburetor.

#### CLASSES

**4610 Display:** Exhibit a display, selecting one of the following options:

- 1) a display identifying different engine or lawn and garden equipment parts or a display showing the function of the various engine or lawn and garden equipment parts; OR
- 2) a display identifying and explaining the function(s) of different special tools needed for small engine work; OR
- 3) a display illustrating and providing the results of any one of experiments that are included in the project books. No complete engines, lawn tractors, tillers, chainsaws are permitted for display. Maximum tri-fold size is 3' x 4'.

**4611 Maintenance:** Exhibit a display that illustrates either:

- 1) Routine maintenance procedures OR
- 2) Diagnosing and troubleshooting specific problems in an engine. No complete engines, lawn tractors, tillers, chainsaws, etc. are permitted for display, using a maximum tri-fold size of 3' x 4'.

**4612 Operation:** Exhibit an operable small engine (no more than 20 HP) overhauled or rebuilt by the member. Include maintenance schedule for the engine and a brief description of steps taken by the member overhauling or rebuilding the engine. Engine should contain no fuel in tank or carburetor. All exhibits in this division are limited in size to standard, tri-fold, display boards (36" X 48") and items may not extend beyond 24" from the back board. All displays must be self-standing.