

# **GRAVELY** *Technical* **BULLETIN**



BULLETIN NO. 1036

DATE: November 5, 1963

TO: ALL OUTLETS

SUBJECT:

1. Leaf-Away Modification
2. 20-Gallon Sprayer
3. Cleaning Instructions For Double-Guard Air Cleaner Element

## 1. LEAF-AWAY MODIFICATION

The photograph in Bulletin 1030 (September 6, 1963) is of a Leaf-Away installed on an experimental Tractor used by Engineering. Among other features, this experimental Tractor is equipped with flared Handles.

Because the Handles are flared, the U-bolts are positioned on the Handles farther down than they would be on Tractors having standard Handles.

On Tractors with standard Handles, the U-bolts are positioned approximately two inches closer to the Handle Grips than shown in the photograph.

## 2. 20-GALLON SPRAYER

Through error, improper terminology was used in the section of Bulletin 1030 (September 6, 1963) dealing with the 20-gallon Sprayer.

Disregard this entire passage in Bulletin 1030. The correct information follows:

### PISTON CUP WEAR ON 20-GALLON SPRAYER

Field reports indicate an occasional problem arising from excessive wear of the Piston Cups on the 20-gallon Sprayer.

This wear is caused by oversized Piston Followers (Part Number 6009) inadvertently manufactured by our supplier.

When worn Piston Cups (Part Number 6018) are replaced, the proper Piston Followers should be inserted in the Pump. Otherwise, Piston Cup wear will continue.

Difference between the two Piston Followers can be determined only by use of a micrometer. The oversized Piston Follower is 1.327/1.323-inch; the proper Piston is 1.305/1.301-inch.

### 3. CLEANING INSTRUCTIONS FOR DOUBLE-GUARD AIR CLEANER ELEMENT

It has come to the attention of Engineering that in cleaning the Dacron-felt filter element, sometimes the element is rapped against a hard object in an effort to shake dirt particles loose.

Engineering cautions against this practice, as this may cause ruptures between the element's end plates and the element, or in the element itself.

Such a rupture, although possibly small enough to go undetected, would still be large enough to permit dirt particles to by-pass the element and enter the Engine.

Following are proper cleaning instructions for the Double-Guard Air Cleaner:

- a. Remove the wing nut and flat washer and lift the entire Cleaner from the Tractor.
- b. Remove the upper shell and pleated element.
- c. Drain the oil from the lower shell and remove the wick.
- d. Wash both shells in a solvent and wipe dry with a clean cloth.
- e. Wash the wick in a solvent and press dry.
- f. Wash the Dacron-felt in a solvent until it is free of dirt. Do not rap it against hard objects, brush it with a heavy brush, or otherwise handle it in a manner that could rupture it. After washing, shake the element vigorously to remove excess solvent.
- g. Saturate the Dacron-felt element with Mobiloil A (SAE 30). Allow it to drain from 15 to 20 minutes. Wipe off excess oil with a soft cloth.

h. Place the lower shell back on the Tractor, making sure it fits securely against the Mounting Bracket and gasket. Fill the lower shell with Mobiloil A (SAE 30) until the wick is barely covered.

i. Place the pleated Dacron-felt element in the lower shell and cover with the top shell. Be sure the rubber seals at the top and bottom of the element are not damaged and fit snugly in place.

j. Place the flat washer on top of the rubber grommet (on the upper shell) and secure the wing nut tightly. Be sure to use the wing nut with fiber insert.

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