



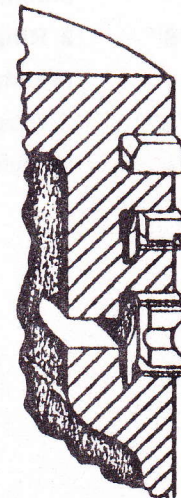
SERVICE BULLETIN

No 4

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CLINTON CHROME "RE-RING" SET FOR ALL CLINTON ENGINES

- * RESTORE HORSEPOWER
- * REDUCE OIL CONSUMPTION
- * REMOVES NEED TO REBORE
- * SAVES ON TIME & PARTS
- * ENGINE PERFORMANCE SECURED THAT PREVIOUSLY REQUIRED OVERSIZING OF CYLINDER, NEW PISTON, NEW RINGS, ETC.
- * CLINTON "CHROME RE-RING SET" PROVIDES LONGER RING LIFE THAN ORDINARY RINGS



The Chrome Re-Ring Sets are designed to give high performance and long life operation and are especially suited for use in Cylinders where wear would NOT ALLOW successful installation of standard Ring Sets. The Clinton Standard Chrome Re-Ring Set will minimize oil consumption and restore engine performance in Cylinders worn .006 to .008 and even in Cylinders having .010 taper, wear and/or out of round.

With the revision of this bulletin Clinton now has .020 oversize Chrome Re-Ring Sets. See below for complete listing of part numbers and bore size.

Many times standard Rings can not control oil consumption or can not restore engine performance. The success of the Chrome Re-Ring Set is based on "SEVEN WORKING EDGES" Chrome used on specific Rings and Rails with Expanders secure the longest possible life.

The Clinton Chrome Re-Ring Set is packaged with illustrations for proper assembly and recommendations on allowable Cylinder wear, taper or out of round, and Piston Ring groove wear. Special tools are not required for Ring installation, however, normal service practices are recommended such as removal of ridge from top of Cylinder and light use of glaze buster or finish hone in Cylinder.

Bore Size 2 3/8"	* 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 424 & 494 Series
	Standard 233-136-500; .020 237-136-500
Bore Size 2 15/32"	497, 498 & 499 Series
	Standard 233-137-500; .020 237-137-500
Bore Size 2 13/16"	412, 413 & 414 Series
	Standard 233-138-500; .020 237-138-500
Bore Size 3"	418 Series
	Standard 233-139-500; .020 237-139-500
Bore Size 3 1/8"	420 & 422 Series
	Standard 233-140-500; .020 237-140-500

* Use Existing Stock of 149-603 or 233-123-500 Chrome Sets, 2 3/8 " Bore.
Information on 2 Cycle Chrome Ring Sets on Reverse Side.

The 2 cycle Chrome Ring Sets are installed on the piston the same as the original rings.
Below is a list of ring usage.

Bore Size 2 1/8"	3 Ring Piston - D 35, D 65 Chainsaws and E 65 Engine, J Series Outboards
	Standard 233-141-500 .020 237-141-500
Bore Size 1 7/8"	3 Ring Piston - D 55 Chainsaw
	Standard 233-143-500 .020 237-143-500
Bore Size 2 1/8"	2 Ring Piston - 500, 501 Series
	Standard 233-142-500 .020 237-142-500
Bore Size 1 7/8"	2 Ring Piston - D 25 Series
	Standard 233-144-500 .020 237-144-500



CLINTON ENGINES CORPORATION

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