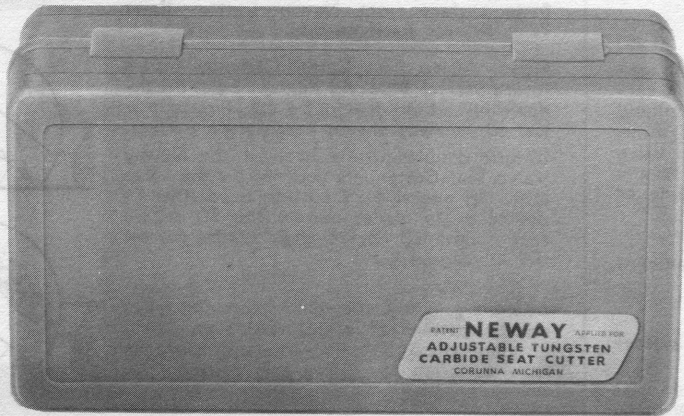


No.

With the full consent and cooperation of **ROOTES MOTORS, INC.**, Long Island, N.Y., we have assembled a valve seating kit for all engines of the Rootes Groupe.

Neway Valve Seat Cutters are factory approved for world wide distribution by two Automobile Companies and several small air-cooled engine manufacturers such as Briggs & Stratton Corp., Wisconsin Motors & Clinton Engine. **Where valve seats are important, this is the tool to use.**



No. 300-S
KIT CONTENTS

- 1—No. 201 1 $\frac{3}{8}$ " Dia. Cutting Head 30° & 45°
- 1—No. 206 1 $\frac{1}{4}$ " Dia. 75° Reamer
- 1—No. 101 5/16" Pilot, Fits 8 mm
- 1—No. 102 11/32 Pilot, Fits 8.6 mm
- 1—No. 502 "T" Handle Wrench
- 1—No. 20-N Fitted Case

KIT COMPLETE -----\$49.95

- Replacement $\frac{3}{8}$ " Cutter ----- 3.00 ea.
- Replacement $\frac{1}{2}$ " Cutter ----- 3.50 ea.
- Replacement $\frac{1}{2}$ " Roughing Cutter ---- 3.00 ea.
- Regrind All Cutters ----- 1.50 ea.



YOU MAY ORDER FROM

ROOTES MOTORS, INC.

42-32 21ST STREET

LONG ISLAND CITY, N. Y.

MANUFACTURED BY

NEWAY MFG., INC.
CORUNNA, MICHIGAN

CARE OF TOOL

The serrated tungsten carbide blades cut very fast. We provide a light weight "T" handle socket wrench that allows the mechanic the feel of the cutter.

WARNING:

Dealers advise us that the lighter the pressure used the better the finish and that never more than two or three pounds of hand pressure should be used.

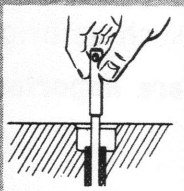
HOLDS CONCENTRICITY

Care should be exercised in the use of the tool. A spring detent is provided on the hub hex to hold the cutter head into the socket. This prevents dropping the head on the valve seat and chipping the fine serrations of the blades.

The serrations should be cleaned occasionally with a bristle brush such as a tooth brush or equivalent.

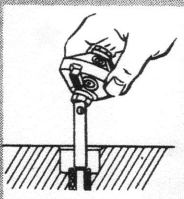
CUTS THE HARDEST SEATS

Here's Why Neway Valve Seat Cutter Produces a Perfect Valve Seat:



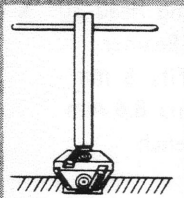
Place pilot in valve guide.

Neway uses tool steel straight pilots. A straight pilot rests only on the remaining perfect section of the valve guide. The straight pilot aligns itself with the unworn portion of the guide — Produces as near perfect alignment as possible. Neway Valve Seat Cutter straight pilots are an important part of obtaining perfect valve seats.



Place cutter over pilot.

The Neway Valve Seat cutting head is a precision tool with hand ground tungsten carbide blades. The blades have diamond ground serrations resembling a mill file and shave hard seat to perfect alignment to the valve guide. Carbide blades will last up to several hundred cuts before needing regrinding or replacement.



Apply wrench and turn with small amount of pressure.

Remove cutter and wrench — check surface of valve seat.

After one or two turns of the tungsten carbide blades, it's easy to tell just how many more turns are needed. A visual check of the valve seat surface will show quick comparison between the satin smooth surface of the new cut and the blackened section of the old valve seat.

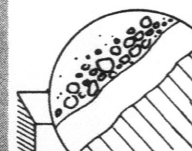
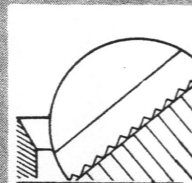
This hand operated method of cutting valve seats works faster and more accurately than other methods. It requires only three to seven turns to shave a valve seat at either the 30 or 44 degree angle. What's more you take all the guesswork out of valve seat conditioning with the Neway Valve Seat Cutter.

Stone grinding surface appears polished — however it is possible to leave polished valleys in seat due to breakdown of grinding stone.



Satin surface from Neway Cutter allows valve to seat itself quickly.

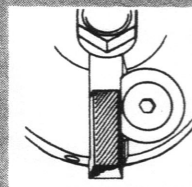
Neway Valve Seat Cutter Carboboy blades insure perfect 30 or 44 degree angle. Breakdown of carbide does not occur. First cut or last cut, Neway always keeps angle perfect. Unique double cutting head of the Neway Valve Seat Cutter lets you narrow the valve seat. On one side of cutting head, the 44 degree angle blades narrow the 30 degree seat — the 30 degree angle blades narrow the 44 degree seat.



In stone grinding, the stone wears and takes on the pattern of a distorted seat. Stone grinding is costly, and redressing stone is required often to remove this pattern.

Adjustable blades position to new shaving edge.

One of the features of the Neway Valve Seat Cutter is the adjustable tungsten carbide blades. These blades are locked into cutting position by a wedge and screw. However, a simple adjustment lets blades move up to 1/8 inch to give a new, sharp shaving edge. Blades can extend beyond the perimeter of the cutting head to cut the same perfect seats. Blades are replaceable at low cost.



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