

## Tool Instruction Piston Cope

4328847R1

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Tool Number: 12-146-03



0000477143

**Figure 1. Piston Cope 12-146-03**

### **Purpose**

Essential tool used to assist with piston installation.

### **Application(s)**

2024 International<sup>®</sup> S13 Integrated Powertrain, 2024 International<sup>®</sup> S13 Engine. Additional vehicle applications may apply.

## Application(s) (cont.)



**GOVERNMENT REGULATION:** Engine fluids (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluids and other contaminated materials (such as filters or rags) in accordance with applicable regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable regulations.



**WARNING:** To prevent personal injury and / or death, read all safety instructions in the “Safety Information” section of the *Engine Service Manual* or *Engine Diagnostic Manual*.



**WARNING:** To prevent personal injury and / or death, or damage to property, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.





**WARNING:** To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.



**WARNING:** To prevent personal injury and / or death, or damage to property, inspect tool for wear / damage prior to use. Replace any worn or damaged components as necessary.

## Tool Contents

Table 1

Image	Tool Number	Qty	Description
 <p>0000477144</p>	12-146-03	1	Piston Cope
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## Instructions

**IMPORTANT:** Please reference International® Service Portal<sup>SM</sup> regarding any possible revisions to this document.

1. Refer to appropriate Service Manual for detailed instructions.

## **Care and Maintenance**

- Keep tools clean and free of contaminants.
- Replace any damaged components.

## **Contact Information**

If you would like to order additional tools or need replacement parts, please refer to the Navistar Service Tool Catalog. If you have questions, concerns, or feedback, please contact Navistar Service Tool Support Center:

- Submit a Service Tool iKNow Case File.
- Phone: 800-365-0088 (toll free).