

## Tool Instruction Ethanol Test Kit

43288673R1

Tool Number: ST0501



0000450043

Figure 1. ST0501- Ethanol Test Kit

### Purpose

The Ethanol Test Kit is used to measure the percentage of ethanol present in gasoline to ensure the measurement falls within the engine manufacturer's acceptable range.

### Application(s)

2018 PSI 8.8L Gasoline

Additional engine 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 State and Federal regulations.



**WARNING:** To prevent personal injury and / or death, or damage to property, 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, or damage to property, 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

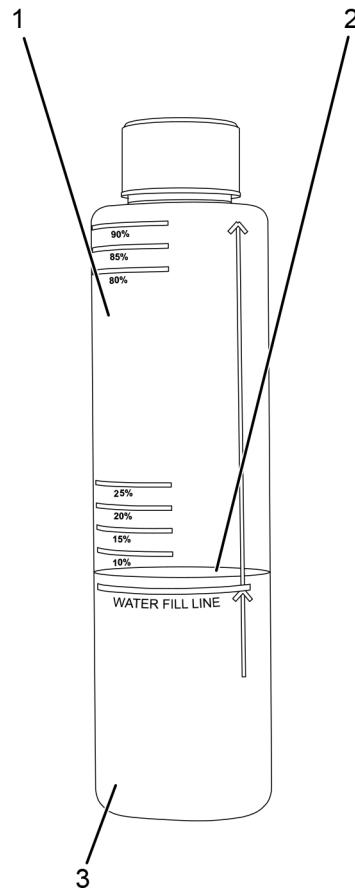
Table 1

Image	Tool Number	Qty	Description
 000045042	ST0501	1	Ethanol Test Kit
 0000160075	4328673R1	1	Tool Instruction

## Tool Contents (cont.)

### Instructions

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



0000450039

**Figure 2. Ethanol Test Kit Bottle**

1. Gasoline portion of fluid
2. Fluid separation line
3. Water / Ethanol portion of fluid

1. Remove bottle cap.
2. Fill bottle with tap water to WATER FILL LINE.
3. Fill remaining portion of bottle with gasoline to GASOLINE FILL LINE.
4. Return cap to bottle. Firmly tighten cap.
5. Shake bottle to thoroughly mix contents.

## Instructions (cont.)

**NOTE: Please allow 5 minutes for ethanol and gasoline to separate or until all air bubbles are gone so as to avoid false measurement.**

6. Place bottle upright on level surface until ethanol (Figure 2, Item 3) and gasoline (Figure 2, Item 1) are clearly separated.

**NOTE: Markings on side of bottle indicate percentage of ethanol in sample (10%, 15%, 20%, etc.). See engine manufacturer's acceptable ethanol content range.**

7. Record marking that is even with fluid separation line (Figure 2, Item 2). This marking represents percentage of ethanol in sample.
8. Dispose of bottle contents per applicable governmental and environmental regulations.
9. Allow bottle to air dry. When completely dry, return cap to bottle.

## 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).