

# John Deere X116R, X146R, X166R, 92H, 107H Tractors (SN. 010001-) Technical Service Manual (TM151319)

**X116R, X146R, X166R,  
92H, 107H Tractors  
(S.N. 010001-)**



JOHN HARE



COLLECTION

**TECHNICAL MANUAL**

**X116R, X146R, X166R, 92H, 107H Tractors (S.N.  
010001-)**

TM151319 01DEC18 (ENGLISH)



John Deere Power Products

**Covers:** 010001-);X116R,X146R,X166R,92H,107H

**Type:** Service Manual

**Language:** English

**Pages:** 398

**Format:** PDF

**Features:** Bookmarked, searchable, printable

**Compatibility:** Windows/Mac/Tablet/Mobile

This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere X116R, X146R, X166R, 92H, 107H Tractors (SN. 010001-) Technical Service Manual (TM151319)**

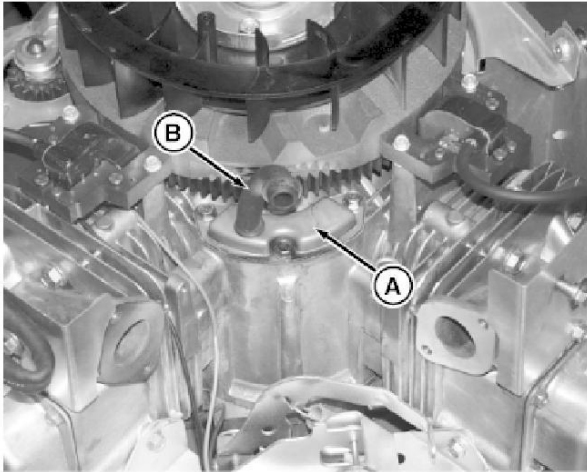
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

**Contents:**

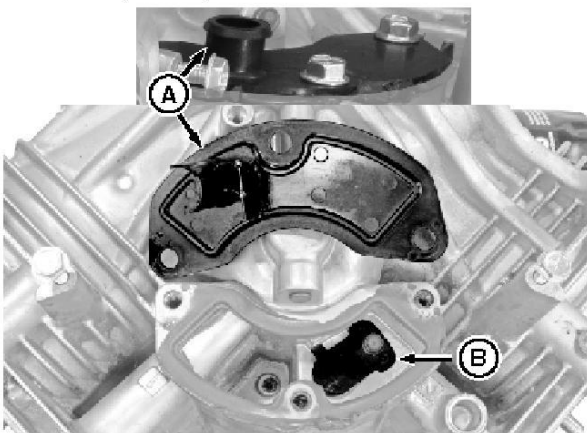
- General Information
- Specifications
- Serial Number Location
- Engine Specifications
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- Body Panels
- Disassembly and Assembly
- Diagnostics, Tests and Adjustments
- Troubleshooting
- and much more...

Please note this manual is in **downloadable PDF format only**. If you have any questions about this product or would like to request sample pages, please contact us and reference the product name or SKU.

## Service Breather Valve Twin Cylinder



MXT002445-UN: (SN -700000) Shown



MXT015424-UN: (SN 700001-) Shown

## LEGEND:

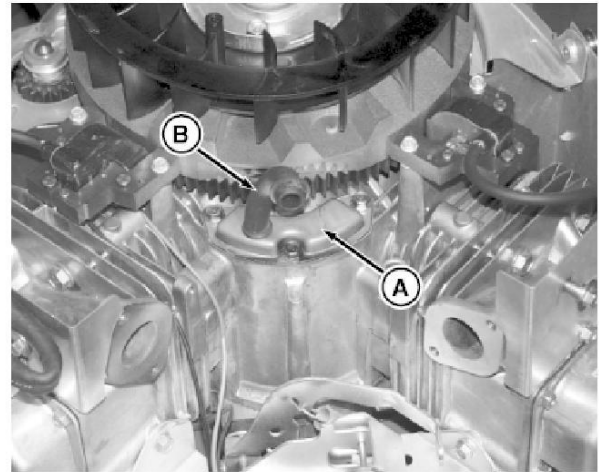
**A-Breather Valve Assembly****B-Breather Tube**

## NOTE:

A leak at the seal between the tube and crankcase cover, or at the seal at the upper end of the dipstick, can result in a loss of crankcase vacuum and a discharge of oil or smoke through the muffler.

The engine utilizes a breather valve to control and maintain a vacuum in the crankcase. The breather valve closes on the up stroke of the piston and opens on the down stroke of the piston to maintain a vacuum in the crankcase. This vacuum prevents oil leakage past piston rings, valve guides, oil seals, governor shaft, and gaskets.

1. Before breather valve cover can be removed, the air cleaner assembly, support bracket, blower housing, and intake manifold must be removed.



2. MXT002445-UN: Machines -MY 15



MXT002444-UN: Breather Tube

## LEGEND:

**A-Breather Valve Assembly****B-Breather Tube****C-Breather Tube**

Machines (S.N. -700000):

- a. Before breather valve assembly (A) can be removed for inspection, the air cleaner assembly, support bracket, blower housing and intake manifold must be removed.

**IMPORTANT:**

- b. **Avoid Damage! Do not use force on reed valve.**

The reed valve is spring loaded and must make a complete seal around the vent hole in breather body. Check to see that reed valve (B) is not deformed.

- c. When installing breather, make sure breather gasket is located properly.
- d. Place gasket and breather on engine block. Install screw and tighten to specification.

Item	Measurement	Specification
Breather Screws	Torque	6 N·m (55 lb in)



Thank you very much  
for your reading.  
Please click here  
to get more information.