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> Yuasa YUAM329BS YTX9-BS Maintenance-Free AGM Battery Instruction Manual

## Yuasa YUAM329BS YTX9-BS

# Yuasa YUAM329BS YTX9-BS Maintenance-Free AGM Battery Instruction Manual

Model: YUAM329BS YTX9-BS

## INTRODUCTION

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This manual provides essential information for the safe and effective use of your Yuasa YUAM329BS YTX9-BS Maintenance-Free AGM Battery. This battery features advanced lead-calcium technology and Absorbed Glass Mat (AGM) separators, making it non-spillable and eliminating the need for water refilling. It is supplied dry with a separate acid pack for activation by the end-user.

## SAFETY INFORMATION

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**DANGER:** Battery acid is corrosive. Always wear appropriate personal protective equipment, including eye protection and gloves, when handling the battery and electrolyte. In case of contact, flush affected areas with water immediately and seek medical attention. Keep out of reach of children. Do not short-circuit or overcharge the battery. Strictly observe battery polarity. Keep dry. Avoid water and fire. Keep charging away from fire and flammables. Strictly prohibit maintenance or modification.

Ensure adequate ventilation when activating or charging the battery.



Image: Yuasa YTX9-BS battery shown with its accompanying acid pack, highlighting important safety warnings and handling instructions.

## SETUP: BATTERY ACTIVATION (FILLING WITH ELECTROLYTE)

Your Yuasa YTX9-BS battery is supplied dry and requires activation by filling it with the provided electrolyte. Follow these steps carefully:

1. **Prepare:** Place the battery on a horizontal, stable surface. Ensure you are wearing appropriate safety gear (gloves, eye protection).
2. **Remove Seal:** Carefully remove the sealed foil label from the top of the battery.
3. **Prepare Electrolyte Pack:** Remove the black cap from the electrolyte pack. Keep this cap, as it will be used to seal the battery later. **Caution: Do not poke or remove the foil seals from the electrolyte pack (liquid pack).**
4. **Fill Battery:** Align the electrolyte pack with the 6 cells (tubes) of the battery. Upside down the electrolyte pack and gently push it into the 6 cells of the battery. The electrolyte will start to flow into the cells.
5. **Monitor Filling:** While filling, make sure at least one tube has bubbles from both sides (each side has 3 tubes). It may take 20-25 minutes to fill all the electrolyte pack. **Caution: Do not remove the electrolyte pack until it's fully filled. If no bubbles on both sides of tubes, gently tap the pack from the bottom 2 to 3 times.**
6. **Seal Battery:** Once fully filled, gently remove the electrolyte pack from the top. Seal the 6 cells of the battery by pushing the black cap (from Step 3) all the way in. Ensure the cap is sealed flatly on the lid. After capping the battery, do not remove the cap and fill any water or electrolyte anymore.
7. **Initial Charge:** You will need to charge the battery after all the processes above. Refer to the "Charging" section for details.

# How to fill the electrolyte

Please uninstall the battery from your vehicle first.

1. Leave the battery on the horizontal place and remove the sealed foil label on the battery.
2. Remove the black cap on the electrolyte pack. Keep the cap and it will be the cap of the battery later.

**Caution: Do not poke or remove the foil seals from the electrolyte pack (The liquid pack).**

3. Fill the electrolyte carefully aligning with the 6 cells (tubes) of the battery. Upside down the electrolyte pack and pushing the electrolyte pack into 6 cells of the battery gently. Then the electrolyte will start to flow into the cells of the battery.

**Caution: Do not remove the electrolyte pack until it's fully filled.**

4. While filling the electrolyte pack, make sure at least one tube has bubbles from both sides (Each side has 3 tubes). It may take 20-25 minutes to fill all the electrolyte pack.

**Caution: If no bubbles on both sides of tubes, gently tap the pack from the bottom 2 to 3 times.**

5. Make sure all the electrolyte is fully filled and remove the electrolyte pack from the top gently.
6. Seal the 6 cells of the battery by pushing the black cap (from Step 2) all the way in and make sure the cap is sealed flatly on the lid. After capping the battery, do not remove the cap and fill any water or electrolyte anymore.

**Caution: You will need to charge the battery after all the processes above.**

Image: Visual guide detailing the steps for safely filling the dry Yuasa battery with the provided electrolyte solution.

## INSTALLATION

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Before installing the new battery, ensure the vehicle's ignition is off and disconnect the negative terminal first from the old battery, followed by the positive terminal. Remove the old battery carefully.

1. **Positioning:** Place the new Yuasa YTX9-BS battery securely in the battery compartment of your vehicle.
2. **Connect Positive Terminal:** Connect the positive (+) terminal of the battery first. Ensure a tight and secure connection.
3. **Connect Negative Terminal:** Connect the negative (-) terminal of the battery. Ensure a tight and secure connection.
4. **Secure Battery:** Ensure the battery is firmly secured in its compartment to prevent movement during operation.

Your browser does not support the video tag.

Video: This video demonstrates the installation process of a YTX9-BS battery in a Polaris Predator 500. It covers removing the old battery, preparing the new battery, and securing it in place.

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Video: This video illustrates a method for installing fixing screws for battery terminals, which can be helpful during the installation of your new battery.

## OPERATING

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Once installed and fully charged, your Yuasa YTX9-BS battery is ready for use. This battery is designed for reliable starting power in various powersport applications.

### Charging

Although Yuasa AGM batteries are maintenance-free and do not require water addition, periodic charging is necessary, especially when the vehicle is not in use for extended periods. This prevents discharge and prolongs battery life.

- **Regular Charge Current:** 0.9 Amps.

- **Charging Time:** Refer to your charger's instructions. For optimal battery life, use a smart charger designed for AGM batteries.
- **Periodic Charging:** If the vehicle is stored, connect it to a battery maintainer to keep the charge topped off.

## MAINTENANCE

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The Yuasa YTX9-BS is a Maintenance-Free (MF) AGM battery, meaning it does not require water refilling. However, regular checks can ensure its longevity and performance:

- **Terminal Inspection:** Periodically check battery terminals for corrosion. Clean any corrosion with a wire brush and a baking soda-water solution. Ensure terminals are tight.
- **Battery Case:** Inspect the battery case for any signs of damage, cracks, or swelling.
- **Charge Level:** Monitor the battery's charge level, especially during periods of inactivity. Use a battery maintainer to prevent deep discharge.

## TROUBLESHOOTING

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If you experience issues with your Yuasa YTX9-BS battery, consider the following common troubleshooting steps:

- **No Start/Weak Crank:**
  - Check battery terminals for loose connections or corrosion.
  - Verify the battery's charge level. Recharge if necessary.
  - Ensure the vehicle's charging system (alternator/stator) is functioning correctly.
- **Battery Not Holding Charge:**
  - Ensure the battery is being charged regularly, especially if the vehicle is used infrequently.
  - Check for parasitic drains on the vehicle's electrical system.
  - If the battery is old, it may have reached the end of its service life.

For persistent issues, consult a qualified technician or your vehicle's service manual.

## SPECIFICATIONS

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Feature	Detail
Brand	Yuasa
Model Number	YUAM329BS
Battery Type	Maintenance-Free AGM (Absorbed Glass Mat)
Size Designation	YTX9-BS
Voltage	12V
Capacity (Ah)	8 Ah @ 10HR
Cold Cranking Amps (CCA)	135 CCA @ 0 °F (-18 °C)
Regular Charge Current	0.9 Amps
Product Dimensions (L x W x H)	6 in (150 mm) x 3 7/16 in (87 mm) x 4 3/16 in (105 mm)

Feature	Detail
Weight with Acid	6.6 lbs
Terminal Type	F1 Terminal
UPC	048493329611

## YTX9-BS



### Battery Details:

Battery Type:	YTX9-BS
Battery Family:	Fresh Pack, Maintenance Free
Voltage:	12
Capacity:	8
Dimensions:	6 in. x 3 7/16 in. x 4 3/16 in.
Weight:	6.6 lbs.
Metric Dimensions:	150mm x 87mm x 105mm
Acid Volume:	0.4
Amps:	0.9
C.C.A:	135
Country:	USA
Terminal:	



Made in Taiwan



Hardware Included



Contains Acid

Image: A close-up view of the Yuasa YTX9-BS battery's specifications, including dimensions, capacity, and charging method.

## WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Yuasa website or contact your authorized dealer. Keep your purchase receipt as proof of purchase.