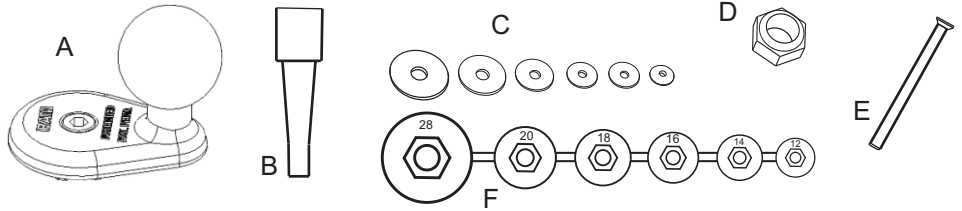


# RAM® Fork Stem Base Installation Instructions

For a video demonstration of this installation, visit [www.rammount.com/part/RAM-B-342U](http://www.rammount.com/part/RAM-B-342U)

## Parts Index:

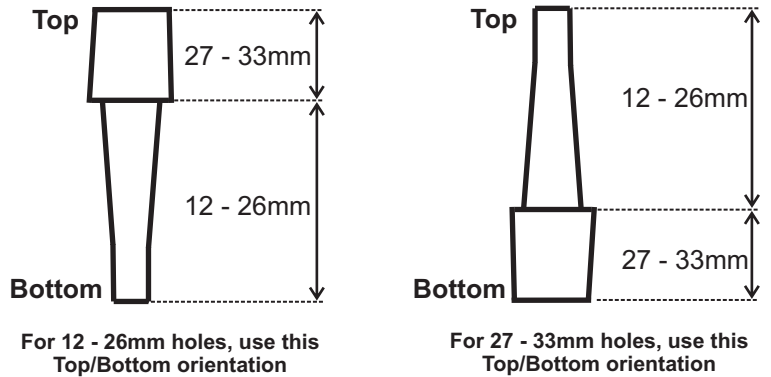
- A. RAM® Fork Stem Ball Base (QTY. 1)
- B. Rubber Expansion Plug (QTY. 1)
- C. Steel Flat Washer Pack (QTY. 6 TOTAL)  
(12mm, 14mm, 16mm, 18mm, 20mm, 28mm)
- D. 5mm Brass Nylock Nut (QTY. 1)
- E. 5mm X 60mm Flathead Machine Screw (QTY. 1)
- F. Nut Pocket Washer Set (QTY. 1)  
(6 Different Sizes)



## Step 1 - Measure Motorcycle Fork Stem Hole

-Measure the inside diameter of your motorcycle's fork stem hole in millimeters.

-Confirm which side of the (B) Expansion Plug your install will require, based on your fork stem hole diameter.



## Step 2 - Cut Expansion Plug

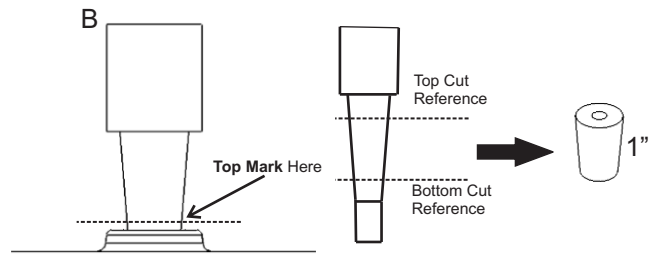
- Insert **bottom** of (B) Expansion Plug into motorcycle stem hole. (see Step 1 to determine bottom).

- Do not use force when inserting plug. Let the plug rest gently.

- Mark the plug approximately 1/8" above the point where the plug meets at the stem hole opening. This will be your **Top Mark**.

- Remove plug and cut at the **Top Mark** with blade or box knife. (If you are cutting the larger end of the plug, a hacksaw may be recommended.)

- Measure downward exactly 1" from the **Top Mark**, and mark your reference point to cut. This will be your **Bottom Mark**. Cut at **Bottom Mark** for a complete 1" segment. This will be your final cut expansion plug for installation.



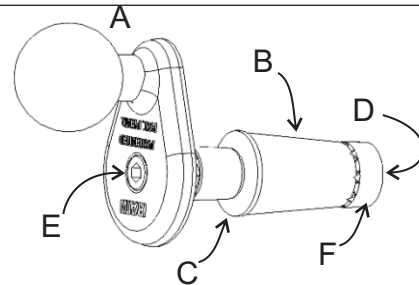
**Important:** If your fork stem hole is between 20 - 26mm, your plug will appear to bottom out when inserting in your stem hole. Your **Top Mark** will be at the largest point of the narrow section on the plug. Measure down 1" and cut to complete your segment.

## Step 3 - Fork Stem Base Assembly

- Assemble RAM® Fork Stem Base as shown using the largest (C) Flat Washer and (F) Nut Pocket Washer that will fit **inside** the stem hole.

**-Selected washer must be able to fit inside fork stem hole.**

- Tighten assembly to the point where the (F) Nut Pocket Washer has a firm bite on the expansion plug, but do not tighten to the point of expanding the plug.



**(Do not insert in the stem hole during this step)**

## Step 4 - Installing in Fork Stem Hole

- Insert fork stem base assembly from **Step 3** into stem hole and position it. **(Flat portion of ball base must lay flush with fork stem hole. None of the post under the ball should be visible.)**

- Tighten (E) Screw with a 3mm allen wrench. Periodically check friction of the expansion plug to be sure it is tightening properly.

- For additional torque leverage, ball assembly with allen wrench when tightening.

When complete, only top of ball base should be visible.



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**If assembly is not tightening, the (F) washer may not be gripping on the expansion plug. Remove assembly from hole and pre-tighten further, then repeat Step 4.**

