

# FITTING YOUR CLUTCH WITH A RAM HYDRAULIC BEARING

**SETTING UP YOUR RAM HYDRAULIC BEARING** - Take your time with these measurements and insure success the **FIRST** time!

1. Measure the crank flange protrusion from the back of the engine block. Be sure to include the block plate if you are using one. Record this as dimension 'A'.

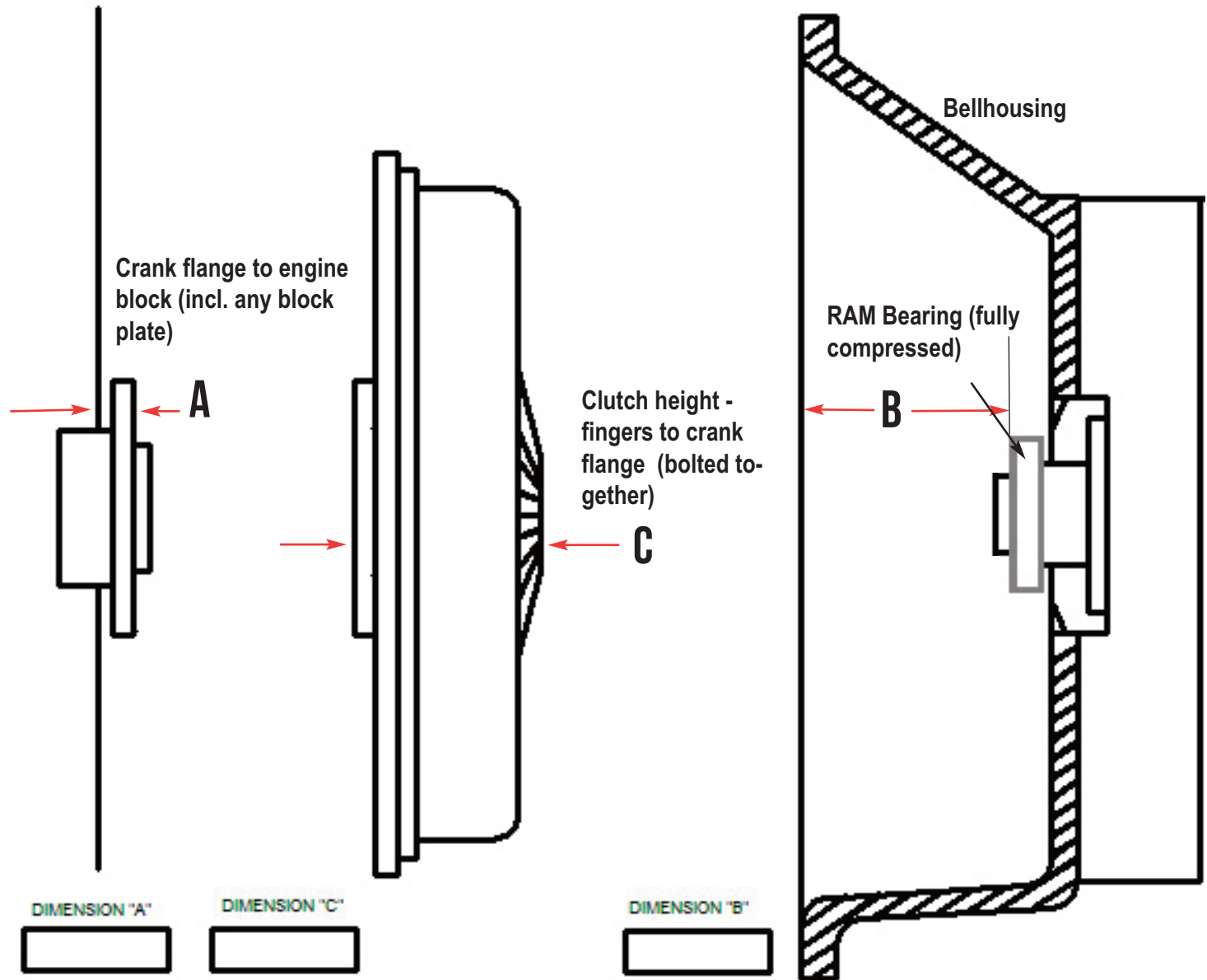
2. Bolt the clutch assembly together on the flywheel **just as it would be installed in the car**. Measure from the fingers of the clutch to the backside of the flywheel flange where it mounts to the engine. **Note that in some cases this flywheel flange is recessed from the outer diameter of the flywheel.** Record this as dimension 'C'.

3. Now is the time to make sure the snap ring on the RAM bearing clears your clutch fingers. Set the bearing up to the clutch fingers and check this clearance. Remove the snap ring if does not clear the fingers.

4. Install the included bearing input collar (if applicable) and install the RAM release bearing on the collar, making sure it is fully retracted to its minimum height. Measure from the face of the bellhousing (where it mounts to the engine block) to the face of the bearing. Record this as dimension 'B'.

5. In the gray box, record the 'B' dimension. Then add the 'A' and 'C' dimensions together and record in the 'A+C' block. Subtracting the 'A+C' number from the 'B' number will give you the clearance or gap setting.

**A VIDEO GUIDE TO COMPLETING THIS PROCEDURE IS AVAILABLE AT**  
<https://youtu.be/qrF0BBgSv4Y>



|   |                      |   |       |                           |   |                      |                         |
|---|----------------------|---|-------|---------------------------|---|----------------------|-------------------------|
| B | <input type="text"/> | - | A + C | <input type="text"/>      | = | <input type="text"/> | CLEARANCE/<br>SETUP GAP |
|   | Bearing compressed   |   |       | Total clutch inst. height |   |                      |                         |

*The recommended clearances for RAM hydraulic bearings are .150" for single disc clutches, .200" for dual disc clutches. If the minimum clearance cannot be attained, other modifications will be needed to increase space. This could include using a shorter flywheel or a spacer between the engine and transmission.*