

# INSTALLATION INSTRUCTIONS PRESS-FIT SWIVEL BANJOS

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The following instructions are based on installing the press-fit swivel banjos into a Toyota 2JZ-GTE. The procedure may differ depending on the engine. While not required, removing the valve covers from the engine may make installation easier. Once installed, these fittings are difficult to remove.

**FOLLOW STEPS 1-3 IF REPLACING THE 2JZ-GTE PCV (POSITIVE CRANKCASE VENTILATION) VALVE WITH THE 18.0MM PRESS-FIT BANJO FITTING.**

**FOLLOW STEPS 4-9 IF REPLACING THE 2JZ-GTE CCV (CRANKCASE VENTILATION) BARB WITH THE 13.5MM PRESS-FIT BANJO FITTING.**

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1	10mm socket	<b>PCV Valve Delete Fitting Installation</b>  Prop the hood and disconnect the battery. Remove the short OEM hose that attaches from the PCV valve to the intake manifold port. This hose is secured with 2 spring clamps.  To release, pull the metal PCV valve outwards away from the valve cover. Next, pry the rubber grommet out.  Once the OEM fitting is removed, inspect and clean the hole.	
	Pliers		
2	Oil Lubrication	Place the included 10AN fitting into a freezer for 5-10 minutes. This will slightly decrease its size.  Lubricate the press-in portion of the fitting and the valve cover hole.  Place a socket, such as a 14mm socket, onto the center of the fitting, contacting only the stainless steel material. Use a mallet and gently tap the fitting into the valve cover. Check often to make sure the fitting is going in straight. Be cautious to not contact the black aluminum 10AN section of the fitting when driving the fitting into the valve cover.	
	Mallet		
3		There is a machined shoulder allowing it to seat properly into the valve cover's recessed area.  When installing a hose end (not included), do NOT overtighten the fitting.  <b>PCV Valve Delete Fitting Installation Complete</b>	
4	Pliers	<b>CCV Fitting Installation</b>  Remove the short OEM hose that attaches from the valve cover port to the air intake pipe port. This port is found on the exhaust side valve cover. The hose is secured with 2 spring clamps.  Insert an object inside the barbed port. Pictured is a 1/4" drive 1/4" deep socket.	

5		Find something that will aid in leverage. Pictured is a 1/4" drive socket extension.	
6		<p>Find something that can fit snug over the barb. Pictured is a 12mm open-ended combination wrench.</p> <p>The next step will require a helper. While one person gently taps the wrench with a hammer, the other person should simultaneously rock the pressed-in fitting back and forth with the socket wrench.</p> <p>Be cautious to not deform the valve cover hole.</p>	
7		<p>The pressed-in fitting will eventually break loose.</p> <p>Once the OEM fitting is removed, inspect and clean the hole.</p>	
8	Oil Lubrication	<p>Place the included 10AN fitting into a freezer for 5-10 minutes. This will slightly decrease its size.</p> <p>Lubricate the press-in portion of the fitting and the valve cover hole.</p> <p>Place a socket, such as a 14mm socket, onto the center of the fitting, contacting only the stainless steel material. Use a mallet and gently tap the fitting into the valve cover. Check often to make sure the fitting is going in straight. Be cautious to not contact the black aluminum 10AN section of the fitting when driving the fitting into the valve cover.</p>	
	Mallet		
9		<p>There is a machined shoulder allowing it to seat properly into the valve cover's recessed area.</p> <p>When installing a hose end (not included), do NOT overtighten the fitting.</p> <p><b>CCV Fitting Installation Complete</b></p>	