

INSTALLATION INSTRUCTIONS PRESS-FIT SWIVEL BANJOS

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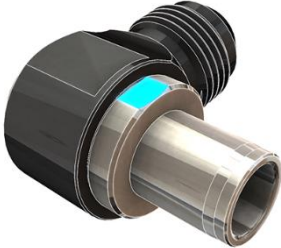


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NOTES:

1. These instructions are based on installing press-fit banjos into different valve covers.
2. The procedure will differ depending on the engine.
3. While not always required, removing the valve cover may make installation easier.
4. Once installed, these fittings are difficult to remove.

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO	
1	Pliers	First, loosen the clamp and remove the OEM hose from the valve cover. If removing a PCV valve, pull the metal PCV valve outwards away from the valve cover to release. Next, pry the rubber grommet out as shown.		
2		Depending on the engine, there are different ways to remove the OEM metal barb from the valve cover. Sometimes, driving a properly sized socket into the barb may be best. Toyota 2JZ-GTE barb shown.		
3		Some barbs may require an aid in leverage such as a 1/4" drive socket extension. Often times, the extension can be rotated back and forth and the tube can be easily worked out, as shown. Toyota 2JZ-GE barb shown.		
4		If the barb has an elbow find something that can fit snug over the barb, such as open-ended combination wrench (shown). With one person gently tapping the wrench with a hammer, another person can simultaneously rock the tube back and forth with the socket wrench. Be cautious to not deform the valve cover hole.		

5		The pressed-in fitting will eventually break loose.	
6		Nissan SR20DET shown.	
7		Once the OEM fitting is removed, inspect and clean the hole. Toyota 1JZ-GTE VVT-i shown.	
8		Toyota 1JZ-GTE (Non VVT-i) shown.	
9		Nissan RB26DETT shown.	
10		Nissan KA24DE shown (S13 above/S14 below).	

11		Place the included press-in 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.	
		NOTE: The 20-0810 Press-In Fitting (ONLY) has a slight flange angle. As shown in blue, a flat spot indicator is machined into the stainless steel. When installing into the S13/S14 KA24DE valve cover, be sure this flat area is facing upwards. After installation, a slight gap is normal.	
12	Oil Lubrication	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 portion of the fitting when driving the press-fit into the valve cover.	
	Mallet		
13		NOTE: When installing a hose end (not included), do NOT overtighten the fitting.	
		INSTALLATION COMPLETE	