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How-to replace PCV Valve

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42 posts • Page 1 of 1

How-to replace PCV Valve

by **ktt88** » Wed Dec 29, 2010 11:50 am

After sitting indoors all day during the holidays, I read up about PCV valves and decided to change mine since it has over 150km on it.

After searching a bit on genvibe, I thought that the correct replacement FRAM part was FV406, but after removing the old PCV, I saw that the threads were of different size.

So I figured that it must be FV407, went back to the parts store and saw that FV407 had larger threads and closely resembled the original, so I went with that.

“

ktt88

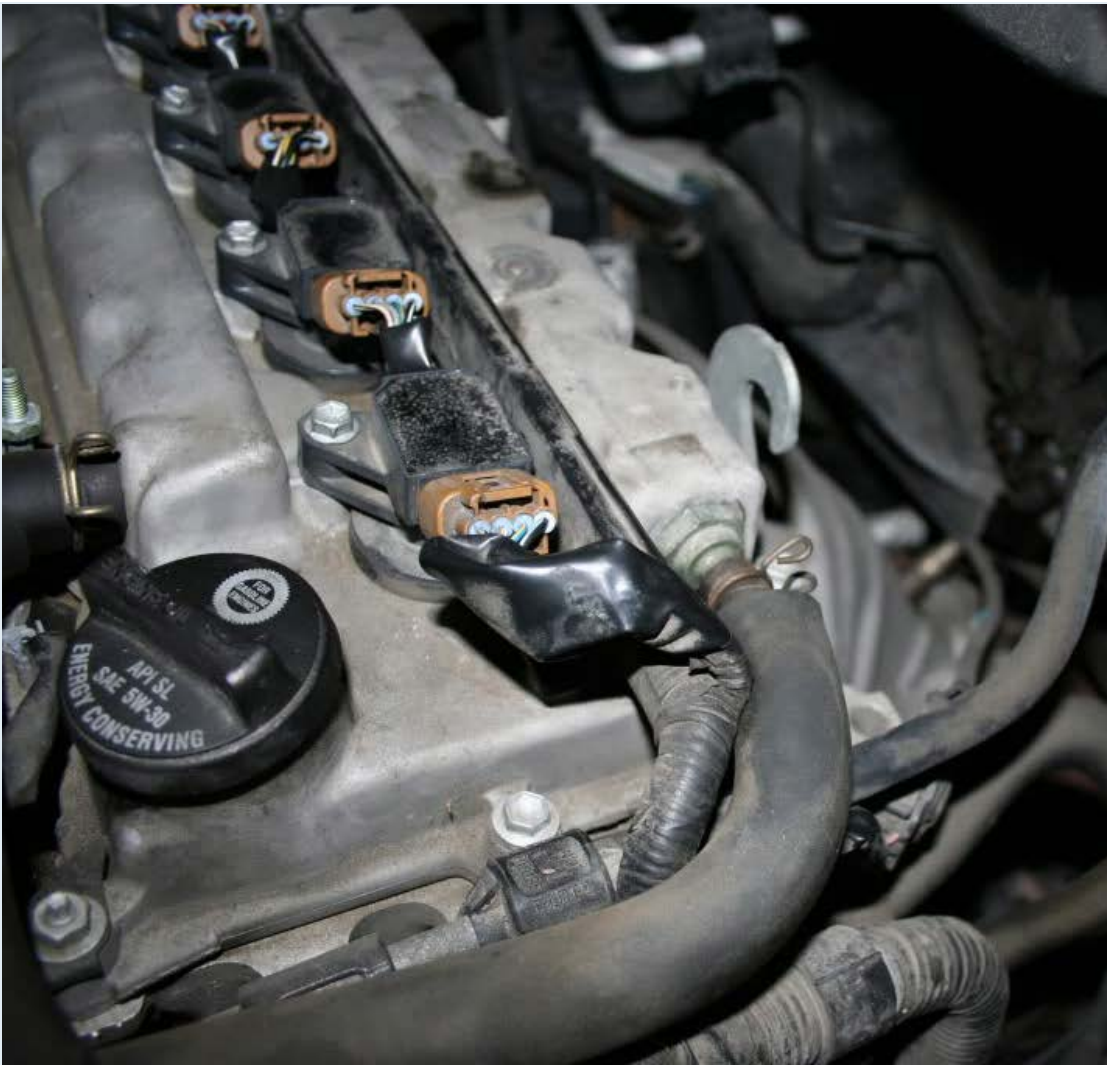
Posts: 25

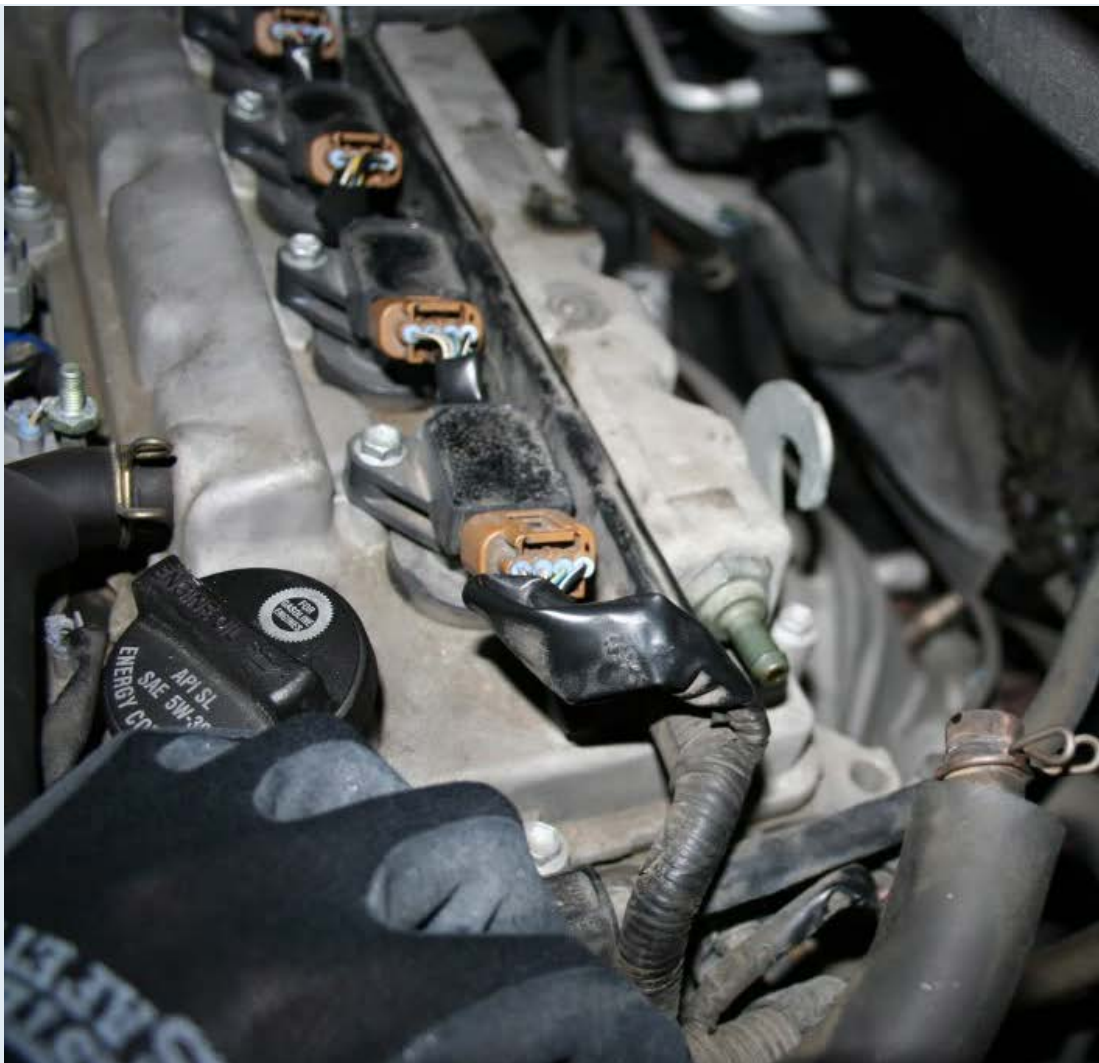
Joined: Sat Nov 06, 2010 7:22 am



Step 1. Locate and remove hose connecting to PCV







Step 2. Using a 7/8" deep socket, remove old PCV

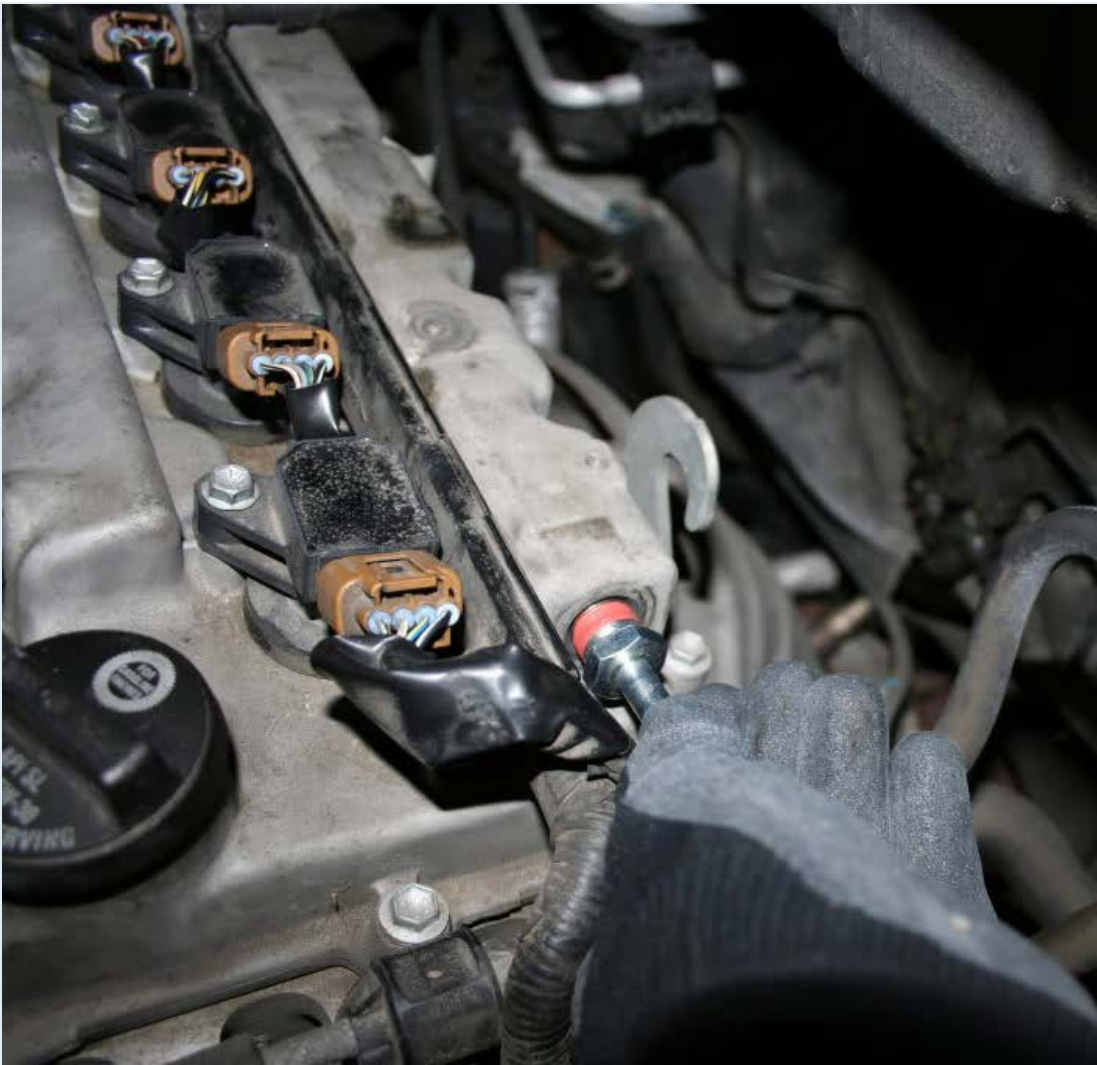


old vs. new

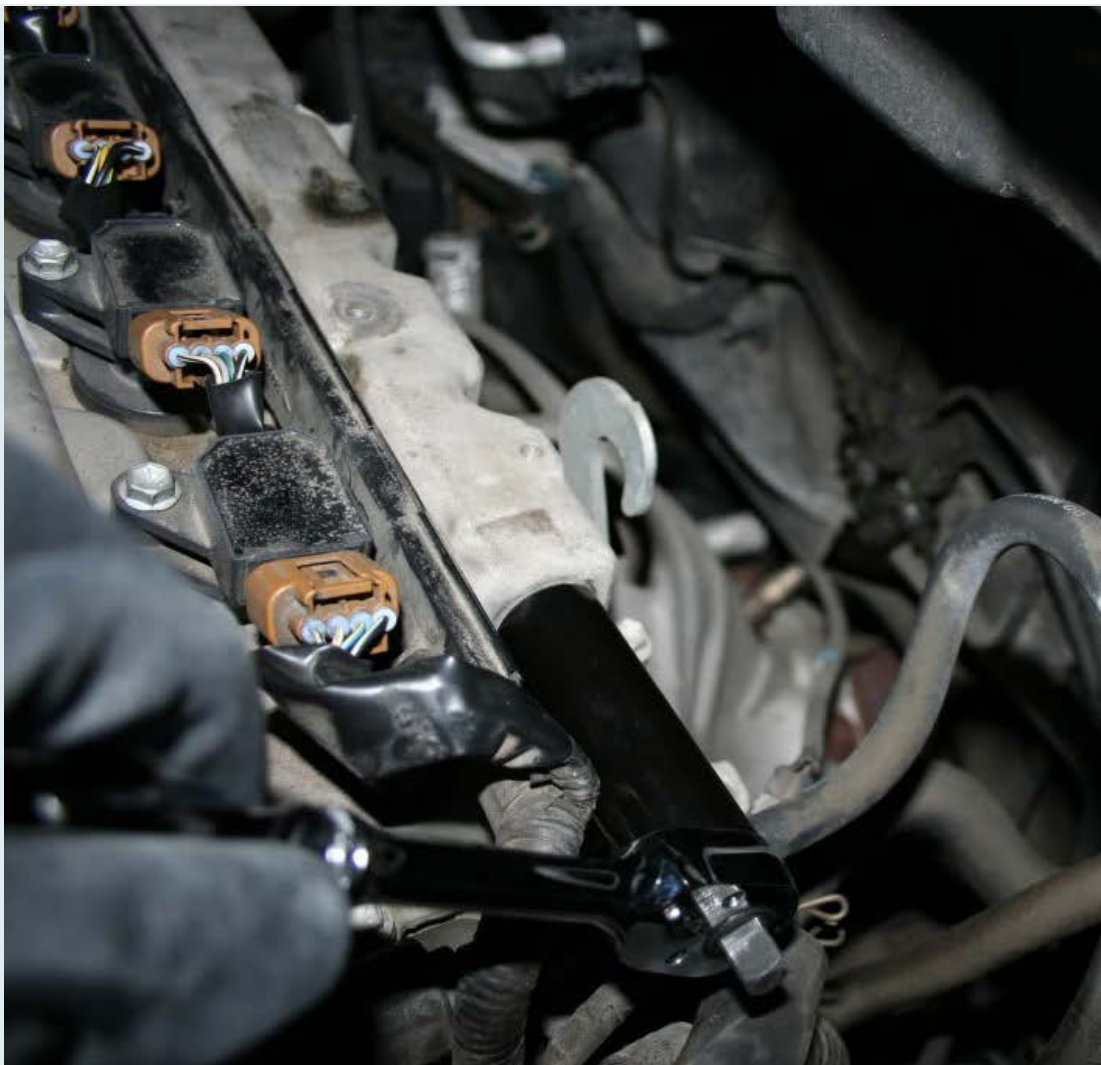


Step 3. Apply some anti-seize to threads of new PCV and hand tighten





Step 4. Using a 3/4" deep socket, tighten new PCV



Step 5. Reconnect hose to new PCV



Step 6. Take it for a test drive

Re: How-to replace PCV Valve (ktt88)

by [epcIII](#) » Wed Dec 29, 2010 12:23 pm

I think it's about time I did this too. Thanks for the reminder! 😊



[epcIII](#)

Posts: 685
Joined: Sat Oct 28, 2006 12:00 pm



Re: How-to replace PCV Valve (ktt88)

by keithvibe » Thu Dec 30, 2010 12:13 am

Very nice write up!!!
needs to be added to the index.



keithvibe
Posts: 4954
Joined: Sat Sep 23, 2006 3:52 am
Contact:



2010 Vibe & member of the year
garage
Email me if you need to talk to me, click my siggy and send the email threw the contact page.

Re: How-to replace PCV Valve (ktt88)

by KNINE » Thu Dec 30, 2010 12:46 am

I'm surprised it's not metric.

"Don't look to the government to solve your problems, the government is the problem." Ronald Reagan
"They who can give up essential liberty to obtain a little temporary safety, deserve neither liberty nor safety." Ben Franklin.



KNINE
Posts: 2320
Joined: Mon Aug 21, 2006 4:52 am
Location: Suffolk, Va.

Re: How-to replace PCV Valve (ktt88)

by supervibe » Sat Jan 15, 2011 1:07 am

Why change PVC? unless it is giving you issues? not being a Smart A**, But is there a benefit to changing it? power? fuel mileage? or ? Im at 100,000 Should I be changing mine? 😊

supervibe
Posts: 21
Joined: Sat Jul 24, 2010 4:20 am

by cptnsolo77 » Sat Jan 15, 2011 3:46 am

Thanks for posting. Those are some great pics as well. Last year I pulled the PVC & cleaned it out with some MAF cleaner. Good reminder though !

- * 2003 Vibe Auto Satellite Silver w / Moons & Tunes
- * Kenwood Excelon KDC-X597
- * Polk DB651-Speakers
- * Soundproofcow Roadblock R sound deadening in all doors
- * Drop In K & N Filter
- * NGK Iridium IX Plugs
- * 27 MPG City/Highway with AC on



cptnsolo77
Posts: 1401
Joined: Sun Jul 29, 2007 4:05 am

by hypershrimp » Wed Feb 23, 2011 1:55 pm

I bought a FV407 today. It looks exactly like the one you have, but both the old and the new are not identical. The old

hypershrimp
Posts: 2

one used a 1 inch (i think) socket and the new one used a 3/4 inch socket. While turning it, it didnt seem to fit with the threads as it came out all the time. Did you have the same issue? I didn't want to ruin the threads. I have a 2003 2wd vibe. Thanks.

Joined: Wed Feb 23, 2011 8:13 am

Re: (hypershrimp)

by Tonyk27 » Thu Feb 24, 2011 3:37 am

You may need FV406

“

Tonyk27

Posts: 78
Joined: Fri Mar 28, 2008 12:21 pm

by lovemyraffe » Fri Feb 25, 2011 12:45 am

Nice write up. Probably something I should do.

“



lovemyraffe

Posts: 4288
Joined: Sun Oct 07, 2007 3:08 am



★March 2011 MOTM★February 2010 MOTM★

[My GenVibe garage](#)

Re: (lovemyraffe)

by jake75 » Fri Feb 25, 2011 3:12 am

Midas will change that for you - only \$49.95 plus 3% shop materials.

“

jake75

Posts: 4768
Joined: Sun Feb 09, 2003 1:33 pm
Location: Columbus, OH

2009 Vibe 1.8L Carbon Gray AT Power Pkg 1/12/09
2003 Vibe 1.8L Neptune AT Mono Power Pkg 1/27/03 [sold 2/2/09]
2007 T&C SWB 7/31/07
Aristotle - æœlt is the mark of an educated mind to be able to entertain a thought without accepting it.æœ
A fine is a tax for doing wrong. A tax is a fine for doing well.
æœA common mistake that people make when trying to design something completely foolproof is to underestimate the ingenuity of complete fools."
--Douglas Adams, English writer

Re: How-to replace PCV Valve (keithvibe)

by zionzr2 » Fri Feb 25, 2011 8:33 am

Quote, originally posted by keithvibe Å»
Very nice write up!!!
👍
needs to be added to the index.
Added!!!

“



zionzr2

Posts: 3179
Joined: Tue Jul 27, 2004 4:59 am
Location: Austin, TX

Nimbus - 2012 Subaru Impreza
55 Fuel-ups
driven by ZionZR2



27.5
Avg MPG

[2012 Subaru Impreza Prem. 5-Door CVT 2.0i - Mine](#)
[2008 Chevy Cobalt 2LT - Wifes](#)
[2004 Pontiac Vibe AWD - Deceased](#) 🚗

Re: How-to replace PCV Valve

by lannvouivre » Tue Jul 03, 2012 6:28 pm

Thanks for posting this! Just got it done today.

“



lannvouivre

Posts: 1573
Joined: Thu Jun 09, 2011 1:00 pm
Location: Texas yay

"If you don't love me at my diddliest, you don't deserve me at my doodliest." - User ktluvscricket of reddit

Re: How-to replace PCV Valve (2009-2010)

by Caretaker » Wed Aug 28, 2013 10:53 am

OK, I read through a bunch of old threads but did not see any information on changing the PCV on the 2009-2010 engine. I went to my local dealer to pick up one for my mechanic to install. GM did not carry one, nor did the local Advantage Auto Parts. I thought that was strange. When I got to my mechanic, he looked it up and told me that the exhaust manifold has to be removed to get to the PCV on the 1.8 liter engine. Holy crap; that's ridiculous. Since I am not getting any CEL, I decided to forget about it and just have him clean out my mass air flow sensor. Having the sensor cleaned definitely improved the slight "rocking" sensation I was getting when the air conditioner was on. The acceleration/deceleration seemed very touchy, but only when the A/C was on. Now that the sensor has been cleaned, that sensation has disappeared, and the car is idling better at a full stop as well. My mechanic didn't charge me anything, but did say that the glass was only slightly dirty. Whatever; obviously spraying and cleaning it with MAF cleaner made a difference that I could notice on the drive home.

What do you all say about the PCV on the second gen? Did Toyota hide the part because it is not to be touched unless it totally fails?

Live it up: There will be plenty of time to be old when you die.

- ** 2009 Vibe: 1.8 liter automatic **
- ** 2010 Elantra Touring **
- ** 2007 Honda Fit Sport **



Caretaker

Posts: 1316
Joined: Sun Dec 14, 2003 4:11 am

Re: How-to replace PCV Valve

by triz » Wed Aug 28, 2013 5:25 pm

Get a new mechanic. The PCV sits right on the valve cover. Check the photo posted above.

<http://lubedealer.com/mr2ner/home.aspx> Please use ZO#5172967
Member discounts when you sign up as Preferred Customer. New Amsoil Customers only



triz

Posts: 224
Joined: Mon Jun 03, 2013 9:11 pm
Location: Gulfport, FL
Contact:

Re: How-to replace PCV Valve

by Caretaker » Wed Aug 28, 2013 5:37 pm

triz wrote:
Get a new mechanic. The PCV sits right on the valve cover. Check the photo posted above.



Caretaker

Posts: 1316
Joined: Sun Dec 14, 2003 4:11 am

uh.....get a new mechanic because ktt88 posted a shot of a 2003-2008 engine where the PCV valve is clearly evident? I don't think so. You see, with my 2009, if I poured oil into the engine on the side shown above, I'd have one hell of a mess on my hands.

Live it up: There will be plenty of time to be old when you die.

- ** 2009 Vibe: 1.8 liter automatic **
- ** 2010 Elantra Touring **
- ** 2007 Honda Fit Sport **

Re: How-to replace PCV Valve

by triz » Thu Aug 29, 2013 8:02 am

Caretaker wrote:
triz wrote:
Get a new mechanic. The PCV sits right on the valve cover. Check the photo posted above.

uh.....get a new mechanic because ktt88 posted a shot of a 2003-2008 engine where the PCV valve is clearly evident? I don't think so. You see, with my 2009, if I poured oil into the engine on the side shown above, I'd have one (removed) of a mess on my hands.



triz

Posts: 224
Joined: Mon Jun 03, 2013 9:11 pm
Location: Gulfport, FL
Contact:

Yep. I'm just an average joe and even I know you don't have to drop the manifold to get to a PCV.

On your, s iirc yours sits on the firewall side, right on the VC.

And if you poured oil on the other side and there was not a hole to pour it in, you need new glasses. 🍷

<http://lubedealer.com/mr2ner/home.aspx> Please use ZO#5172967
Member discounts when you sign up as Preferred Customer. New Amsoil Customers only

Re: How-to replace PCV Valve

by Caretaker » Thu Aug 29, 2013 11:47 am

Yep, part 12204. UNDER the manifold.

[http://www.utoyot8.com/FullImage.aspx?c ... \(0712-+++\)JPP](http://www.utoyot8.com/FullImage.aspx?c ... (0712-+++))

Live it up: There will be plenty of time to be old when you die.

- ** 2009 Vibe: 1.8 liter automatic **
- ** 2010 Elantra Touring **
- ** 2007 Honda Fit Sport **



Caretaker
Posts: 1316
Joined: Sun Dec 14, 2003 4:11 am

Re: How-to replace PCV Valve

by triz » Thu Aug 29, 2013 6:34 pm

Caretaker wrote:
Yep, part 12204. UNDER the manifold.

[http://www.utoyot8.com/FullImage.aspx?c ... \(0712-+++\)JPP](http://www.utoyot8.com/FullImage.aspx?c ... (0712-+++))

Touche...the diagram I have shows passenger side near the firewall on the vc.

http://parts.nalleygmc.com/showAssembly.aspx?ukey_assembly=396766&ukey_make=1030&ukey_model=14662

That is interesting. Can you confirm the location on yours by feel?

<http://lubedealer.com/mr2ner/home.aspx> Please use ZO#5172967
Member discounts when you sign up as Preferred Customer. New Amsoil Customers only

triz
Posts: 224
Joined: Mon Jun 03, 2013 9:11 pm
Location: Gulfport, FL
Contact:

Re: How-to replace PCV Valve

by Caretaker » Fri Aug 30, 2013 2:22 am

All I can confirm is this: after extensive research and determining that numerous posters in the Corolla, Matrix and this forum have failed to get a firm answer on where the PCV is on the 1.8 liter engine for their 2009-2010 vehicle, I found that diagram buried deep in the annals of a single Corolla board. The picture matches my engine exactly. When I queried my mechanic, he confirmed that it is underneath the manifold and that he was not surprised given he has seen even more squirrely places where auto manufacturers have placed their PCVs. He's been in business for well over 30 years so I know he knows what he's talking about when he pulls up his reference sheets on Corolla engines. While I do see two lines running in behind the right side of the manifold as you face the engine, I'm not smart enough to start pulling off hoses just to see if there is a PCV underneath. As you look at today's engines, there are several rubber hoses which look alike that run near or to the air box that have hose clips atop a metal valve underneath. I won't risk trying to figure out which is the PCV and which is the tiger hiding behind the door; I'll lose every time. So, if the PCV is behind the intake manifold, my original question remains: is the PCV in this vehicle meant to be changed out when the check engine light comes on and there is a part failure?
I'm having trouble matching up the diagram you posted to my Corolla engine and figure that it is of the 2.4 Camry engine. It is interesting that up top, it seems to imply that the information provided covers both engines. I find it hard to believe that the PCV is in the same place on a Camry engine and a Corolla engine.

Live it up: There will be plenty of time to be old when you die.

- ** 2009 Vibe: 1.8 liter automatic **
- ** 2010 Elantra Touring **
- ** 2007 Honda Fit Sport **



Caretaker
Posts: 1316
Joined: Sun Dec 14, 2003 4:11 am

Re: How-to replace PCV Valve

by zythr » Fri Aug 30, 2013 9:52 am

[quote="Caretaker"]All I can confirm is this: after extensive research and determining that numerous posters in the Corolla, Matrix and this forum have failed to get a firm answer on where the PCV is on the 1.8 liter engine for their 2009-2010 vehicle, I found that diagram buried deep in the annals of a single Corolla board. The picture matches my engine exactly. When I queried my mechanic, he confirmed that it is underneath the manifold and that he was not

zythr
Posts: 90
Joined: Wed Jun 19, 2013 3:17 pm

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In other words, the PCV is "buried" in 2009-2010 1.8 liter engines?

Re: How-to replace PCV Valve

by Caretaker » Fri Aug 30, 2013 10:26 am

according to all the evidence I have found so far, yes. It is just so hard to believe. In my mind, the PCV is a part that should be replaced relatively often. If it turns out that the diagram I posted is correct (it certainly matches the 2ZR engine), and my mechanic is right, and some poster on the Corolla board is right, just don't ask me how to remove all that stuff to get to it.
<http://i345.photobucket.com/albums/p390/KITT222/1-8.jpg>

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- ** 2009 Vibe: 1.8 liter automatic **
- ** 2010 Elantra Touring **
- ** 2007 Honda Fit Sport **



Caretaker
Posts: 1316
Joined: Sun Dec 14, 2003 4:11 am

Re: How-to replace PCV Valve

by triz » Fri Aug 30, 2013 7:56 pm

I'll be honest I have seen some hidden PCV's before but never seen one go to the block. That is why I found it odd. I was thinking that possibly he was confusing it for the crank sensor which sits under the manifold. Almost every PCV I have changed has been somewhere on the valve cover. My truck has no PCV (another odd thing for me)

I will make it a personal mission to find someone with a 2009-10 Vibe and check the location. Keep you posted.

You wont hurt anything by feeling for the PCV valve hose if you don't want to remove the plastic engine cover.

<http://lubedealer.com/mr2ner/home.aspx> Please use ZO#5172967
Member discounts when you sign up as Preferred Customer. New Amsoil Customers only

triz
Posts: 224
Joined: Mon Jun 03, 2013 9:11 pm
Location: Gulfport, FL
Contact:

Re: How-to replace PCV Valve

by zythr » Sat Aug 31, 2013 3:40 pm

triz wrote:
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PCV is at the back of the engine under the intake manifold (I have the Vibe/Matrix, service manual, Haynes), on the 2009-2010 1.8 engine.

zythr
Posts: 90
Joined: Wed Jun 19, 2013 3:17 pm

Re: How-to replace PCV Valve

by Caretaker » Sat Aug 31, 2013 5:12 pm

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Caretaker
Posts: 1316
Joined: Sun Dec 14, 2003 4:11 am

the back of the engine???? If you follow the PCV (part number 12204) and the dashed line, the dashed line does lead to the far side of the rubber hose (part number 12261A No.1). That would seem to indicate that the PCV is closer to the back side.

[http://www.utoyot8.com/FullImage.aspx?c ... \(0712-++++\)](http://www.utoyot8.com/FullImage.aspx?c ... (0712-++++))

This is too weird. I'll give you a buck if you can post a picture from an actual 1.8, unless massive amounts of parts have to be removed to get to it. 😊

Thanks so much (in advance).

Live it up: There will be plenty of time to be old when you die.

** 2009 Vibe: 1.8 liter automatic **
** 2010 Elantra Touring **
** 2007 Honda Fit Sport **



Re: How-to replace PCV Valve

by **Caretaker** » Thu Sep 05, 2013 12:50 pm

holy engine tear down Batman!!! What was Toyota thinking??? Look at what I just found on You Tube:

<http://www.youtube.com/watch?v=A4iKLYpOg4A>

What else should I have my mechanic do while he's taking off my intake manifold just to replace a \$10 part?? Thoughts?

Live it up: There will be plenty of time to be old when you die.

** 2009 Vibe: 1.8 liter automatic **
** 2010 Elantra Touring **
** 2007 Honda Fit Sport **



Caretaker

Posts: 1316
Joined: Sun Dec 14, 2003 4:11 am

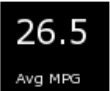
Re: How-to replace PCV Valve

by **Rayven01** » Fri Sep 06, 2013 9:01 am

New intake gasket? May not be needed, but he's in there anyway and it's 10 bucks for a gasket...



White Vibe - 2009 Pontiac Vibe
208 Fuel-ups
driven by Rayven01



Rayven01

Posts: 525
Joined: Wed Jan 16, 2013 12:07 pm
Location: St Louis, MO



Re: How-to replace PCV Valve

by **Salsa Guy** » Fri Sep 06, 2013 2:24 pm

A toyota engineer needs to be shot!!! Put it behind the manifold is nuts!
Now with that being said the PCV is nothing more than a check valve to allow 1 way air flow. So if the engine back fires it won't send flames into the engine. They are spring loaded and very rarely fail.

05 Matrix XR 4WD and 03 Vibe GT
"If you want Government to solve your problems, then you are the problem!" BMSR
Trix MODS: SRI w/ AEM filter, Vibrant/Magnaflow Cat-back, Alutec Lightweight Crank Pulley
GT MODS: Cosmo SRI, DRL, Auto Stop



Salsa Guy

Posts: 1758
Joined: Thu Oct 07, 2010 10:46 pm
Location: Greater Tulsa Area



Re: How-to replace PCV Valve

by **zythr** » Fri Sep 06, 2013 3:30 pm

Caretaker wrote:

“

PCV is at the back of the engine under the intake manifold (I have the Vibe/Matrix, service manual, Haynes), on the 2009-2010 1.8 engine.



zythr

Posts: 90
Joined: Wed Jun 19, 2013 3:17 pm

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[http://www.utoyot8.com/FullImage.aspx?c ... \(0712-++++](http://www.utoyot8.com/FullImage.aspx?c ... (0712-++++)

This is too weird. I'll give you a buck if you can post a picture from an actual 1.8, unless massive amounts of parts have to be removed to get to it. 😊

Thanks so much (in advance).[/quote]

You're welcome. Unfortunately, the manual did not have a photo of the 1.8 and all that would need to be removed to get the PCV (It's a 2003-2011 Vibe Matrix edition).

Re: How-to replace PCV Valve

by **zythr** » Fri Sep 06, 2013 3:36 pm



“ Salsa Guy wrote:

A toyota engineer needs to be shot!!! Put it behind the manifold is nuts!
Now with that being said the PCV is nothing more than a check valve to allow 1 way air flow. So if the engine back fires it won't send flames into the engine. They are spring loaded and very rarely fail.

zythr

Posts: 90
Joined: Wed Jun 19, 2013 3:17 pm

Well Toyota did add VVT to both intake and exhaust, maybe the extra hoses that the system may require did not leave room for the PCV to be in the valve head/cover.

Re: How-to replace PCV Valve

by **Salsa Guy** » Fri Sep 06, 2013 6:01 pm



No idea on that but a PCV is an overly simple device and could be added anywhere for the most part. It just help send any gases in the engine back through the combustion chamber.

05 Matrix XR 4WD and 03 Vibe GT
"If you want Government to solve your problems, then you are the problem!" BMSR
Trix MODS: SRI w/ AEM filter, Vibrant/Magnaflow Cat-back, Alutec Lightweight Crank Pulley
GT MODS: Cosmo SRI, DRL, Auto Stop



Salsa Guy

Posts: 1758
Joined: Thu Oct 07, 2010 10:46 pm
Location: Greater Tulsa Area

Re: How-to replace PCV Valve

by **Mark** » Sat Sep 07, 2013 6:23 pm



Just watched the video linked above, no way I would do that without replacing the intake manifold gasket. They've been a problem in the past, maybe this is just Toyota's way of making you replace the gasket every 60,000 miles.

One more reason I'm glad I bought a 2008.

'04 Base Frosty, '08 Base Stealth

Mark

Posts: 289
Joined: Sun Nov 02, 2008 7:26 am
Location: Cheyenne, WY

Re: How-to replace PCV Valve

by **10vibe** » Sun Sep 08, 2013 1:07 pm



Wow. Just watched the video and it explained a few things. Couple months ago, out of curiosity I was looking for the pcv valve, not finding it in the traditional place the old engines have them at. Instead, about at the same place is a bracket with vacuum lines splitting off where some of the rerouting took place with the brake boost recall (IIRC). Had me more than a little confused. Shocked at this new location, but at least the video showed that an intake manifold gasket would not be all that difficult to replace. Shocked I tell ya! What a weird location, and dissappointing.

Last edited by 10vibe on Sun Sep 08, 2013 5:43 pm, edited 1 time in total.

2010 Vibe 1.8 auto, fwd, base, air, preferred package, cargo mgt, cargo cover, ultra white.

10vibe

Posts: 215
Joined: Tue Nov 30, 2010 10:52 pm

Re: How-to replace PCV Valve

by **Caretaker** » Sun Sep 08, 2013 5:03 pm



Yes, it was a bit disappointing to see the pcv buried, but now I know. On the positive side, it is reassuring that my mechanic is still top notch since he was the one who told me that it was under the manifold in the first place. It is also



Caretaker

Posts: 1316
Joined: Sun Dec 14, 2003 4:11 am

positive that rayven and mark have provided me advice on replacing the manifold gasket while the pcv is being changed. Thanks for that. When I did some research on the manifold gasket issue, it looks as though the first generation Vibe was the one that had trouble with the intake manifold gasket. Other than "just do it because," is there any issues regarding the gasket on the second generation Vibes?

Live it up: There will be plenty of time to be old when you die.

** 2009 Vibe: 1.8 liter automatic **
** 2010 Elantra Touring **
** 2007 Honda Fit Sport **

Re: How-to replace PCV Valve

by 10vibe » Sun Sep 08, 2013 5:49 pm

To the best of my knowledge there is not an issue with the 2zr-fe intake gaskets at this point, but only time will tell. I am curious if there is any goop or sealant that would have to be scraped off first or if it is pretty straight forward pull off old gasket, clean a little, and slap another one on.

2010 Vibe 1.8 auto, fwd, base, air, preferred package, cargo mgt, cargo cover, ultra white.

10vibe

Posts: 215
Joined: Tue Nov 30, 2010 10:52 pm

Re: How-to replace PCV Valve

by Derf » Sun Jan 03, 2016 10:25 am

Just changed the PCV on my 2005 FWD Moon and Tunes, was long overdue. Great step by step above, made video to highlight failed and working PCV. Used Luber Finer part number PCV1112. The connecting hose was in OK condition, will probably replace next oil change.
<https://www.youtube.com/watch?v=E7j3s71VUsE>

The part number for the PCV hose: W0133-1746428 this seems to be universal for all FWD and AWD 2003-2008 models

2005 #10,524 Neptune Vibe "Bandit" Auto, Moon & Tunes 202k 😊
1991 Pontiac Bonneville 3.8L "Granny's Whip" 133k



Derf

Posts: 491
Joined: Mon Feb 04, 2013 5:19 pm
Location: NW Ohio
Contact:

Re: How-to replace PCV Valve (ktt88)

by vibrologist » Sun Jan 03, 2016 3:35 pm

keithvibe wrote:
Very nice write up!!! needs to be added to the index.

so done!

Vibrologist
'05 Vibe

"It is important to know the difference between 'accurate' and 'precise' even if you are neither!"

<http://forums.genvibe.com/phpBB3/viewtopic.php?f=30&t=43476>



vibrologist

Posts: 1144
Joined: Sat May 10, 2014 8:24 am
Location: Iowa

Re: How-to replace PCV Valve

by BenWA » Sun Jan 03, 2016 6:47 pm

Wow. That's one heck of a place to put it on the newer ones.

I should probably take a look at the one on my 03 since it's easy enough to do.

2003 Vibe Base A/T



BenWA

Posts: 357
Joined: Thu Dec 17, 2015 5:44 pm

Re: How-to replace PCV Valve

by BenWA » Thu Jan 07, 2016 4:40 pm

I found a Fram FV407 for 80 cents at Mills Fleet Farm's site. Since I was already ordering a better oil drain pan than is

BenWA

Posts: 357
Joined: Thu Dec 17, 2015 5:44 pm

available in most stores and paying \$7.95 shipping, I ordered it too. It didn't cause the shipping cost to go up any, so heck yeah. 🇺🇸

2003 Vibe Base A/T



Re: How-to replace PCV Valve

by BenWA » Thu Jan 14, 2016 9:16 pm



Emmanue2 wrote:
A FV406 is needed to operate. 😊

BenWA
Posts: 357
Joined: Thu Dec 17, 2015 5:44 pm

Did you read the first post?

2003 Vibe Base A/T



Re: How-to replace PCV Valve

by PonchoGT » Fri Jan 15, 2016 10:28 am



I used my oxygen sensor socket to remove mine. It fit perfectly and the sensor rotated right out with a 1/4" socket wrench (no extension needed).



PonchoGT
Posts: 46
Joined: Wed Apr 08, 2015 11:43 am
Location: Fort Knox, KY
Contact:

Re: How-to replace PCV Valve

by BenWA » Wed Mar 16, 2016 2:02 pm



I went to change the PCV valve and found the threads slightly different! I went on the local Toyota dealer's parts website and found that there seems to be two possible PCV valves for the 1Z, since 2Z was only in XRS/GT right?

Emission system, Pcv valve
Matrix, w/o XRS, w/o AWD, Marked 1220422040
EMISSION SYSTEM »Emission system
Toyota > Matrix > 2003-2008
Price:\$6.03

Emission system, Pcv valve
Matrix, w/o XRS, w/o AWD, Marked 1220422050
EMISSION SYSTEM »Emission system
Toyota > Matrix > 2003-2008
Price:\$6.03

The 050 parts compatibility shows 1Z: [http://www.amazon.com/OES-Genuine-selec ... B001G7U45W](http://www.amazon.com/OES-Genuine-selec...B001G7U45W)

I took a pic of the two valves (below). The first one referenced above (1220422040) is the one my 1Z takes. You can see the "22040" portion of the number in the picture. I wiped off the gunk from the old one and put it back since the "shake test" is ok. Being only \$6, I may as well go genuine OEM Toyota for a replacement.

EDIT: I ordered one. \$6.60 with tax. Free local pickup at the dealer.

BenWA
Posts: 357
Joined: Thu Dec 17, 2015 5:44 pm



Last edited by BenWA on Sun Apr 17, 2016 5:58 pm, edited 1 time in total.

2003 Vibe Base A/T



Re: How-to replace PCV Valve

by BenWA » Thu Mar 17, 2016 9:53 am

I picked up the new one this morning. They have changed the part number slightly, from 12204-22040 to 12204-22041.

On Amazon, it shows it to fit the 2003 Matrix Base, "Stamped #12204-22040":

[http://www.amazon.com/gp/product/compat ... ehicleId=8](http://www.amazon.com/gp/product/compat...ehicleId=8)

Photo of the new one I got: (oh and by the way, it takes a 22mm socket/wrench. 7/8" would work in a pinch, but it's not the correct size)



BenWA

Posts: 357

Joined: Thu Dec 17, 2015 5:44 pm



2003 Vibe Base A/T

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