

Your doing this at your own risk. I am not a certified Yamaha mechanic and only expressing my thoughts and veiws on adjusting valves. If for any reason you don't feel comfortable doing this, take it to your Yamaha certified mechanic.

1. Make sure your machine is clean prior to starting this task. It's very easy to get dirt, grime and mud into the valleys where the valves are. It's never fun to work on something dirty and I suggest giving her a bath prior to starting anything below. Also be sure you have a clean working area for those bolts that fall out or could roll away.
2. Please folks remember your working with gas and removing fuel lines with vapor. It only takes a spark and boom your machine is in flames. Also keep good ventilation going to help keep your mind clear and your body healthy.
3. Start by removing the seat by pushing against the plastic latch until you pop the seat up.
4. Remove the positive battery cable prior to anything to help prevent sparks which is located under the black rubber cover under the seat. This will require a large phillips head screwdriver.
5. . Remove the front radaitor cover which is secured by the 2 allen screws directly under the handle bars. Once the 2 bolts are out, slide the cover towards the rear of the machine which will allow the "feet" to come out of the grove.
6. Next on the list is removing the tank cover which is only held on by plastic inserts and the gas cap.
7. Next let's remove the front fenders by removing the bolts and plastic inserts that bolt everything down. This will consist of 2 allens with 10mm nuts and 3 other 10mm head bolts "2 under fender" and one directly in the front of the radaitor. Lastly there are 2 more that secure the front and rear fenders near the battery tray.
8. There is a vent tube "clear" that you must remove near the bars and then unplug the display unit's feed "witch" to allow removal of the complete front section.
9. Gas tank removal requires you take the 4 10mm bolts out and removal of the fuel pump power connector and the fuel line itself. When removing this remove the black retainer plastic which will allow you acces to the orange

clip. Take your time and slowly pull back the arms which will allow it to slide away from the line and gain you the space needed to pull the line off. I would strongly suggest you get a zip loc bag and place it into there to help prevent spillage of fuel. Lastly remove the 2 plastic inserts near the rubber and then remove the tank.

10. Next and the hardest is the heat shield for the tank. There are groves cut in the front that hold the wires near the stem. Remove these and the vent tube in the bottom. Take your time as this part is difficult to remove without damaging it. Once you get the lines free pull it to the rear to remove it.

Now for the easy stuff !!! VALVE adjustments!!

11. Please clean all around the covers....dirt will always find it's way into these areas!!!!!!

12. Remove the Timing Mark accessory screw with the allen tool

13. Remove the Crankshaft end cover which will allow you to turn the engine over. This will require a 14mm allen or you can also use the other end of your spark plug tool.

14. Remove the spark plug with the tool kit you have in the rear.

15. There are 3 covers that need to be removed. They are held by 8mm head bolts. These are on the top near the FI, another near the exhaust pipes and then the one where your timing chain is located.

16. Now since the Raptor is a 4 stroke "Intake- Compression-Power-Exhaust" we need to get the engine to TDC or top dead center on the compression stroke. This is easily done by using the 22mm deep well socket and rotate the engine Counter Clockwise until 2 things happen. First you need to align up the mark on the flywheel with the mark on the case. There are 2 marks... the "H" which is used for timing and then a plain "I" mark which is used to identify TDC. You will know you are on the right stroke because near the timing chain you will see the line on the cam gear and the case also match up. There should be very little resistance once you are there and the plug is out. Wiggle the rockers and they should be semi loose. If you have (0) clearance you are not on the correct stroke.

16. Now get your taper feeler gauges out which should be in MM to measure these engines. Start with the intake

and measure each one. If correct, there should be .09 mm- .13mm. When you measure there should be a slight resistance when sliding it through. If it's tight then you know you need to loosen the nut and turn the tappet adjuster counter clockwise to loosen it slightly or vice versa. Once you can slip in the feeler gauges and feel just a slight resistance, hold the tool still and tighten up the nut and recheck it one more time. Next go to the other valve and follow the same procedures again without turning the engine over. Adjust this one accordingly.

17. After adjusting the intake side I would rotate the engine a few times Counter Clockwise and recheck these once you've found TDC again to ensure you have it perfect.

18. Next move onto the exhaust and follow the same procedures except this time you want clearances to be .16mm - .20mm so you will need to switch out your gauges for the next size up. The small taper set you can order really help out here when trying to do your valves. Once you've done both here rotate the engine over a few times and locate TDC and recheck all of these.

19. Once you're certain you've got them correct, spin the engine about 20 times and then locate TDC once again and check them all once again as a triple check...then button her up.

20. Reinstall in the reverse order and I would suggest an oil / filter change to top off the job after you start it and warm it up to flush any possible contamination away into the filter.

#### \*\*\*NOTES\*\*\*

1. Make sure during all this process you don't drop anything into the engine. Common things include bolts for covers, O ring for covers, allen tools or sockets. I would use a rag and cover everything when you're not directly in that spot. I do suggest you pick up an expandable magnet to help retrieve anything that could fall just in case.

2. Let me explain some theory here on valve adjusting...like how tight should I put in on that scale etc.

When adjusting valves the whole reason you're doing this is to keep clearance in acceptable ranges. If you get too tight, the valves never close completely and can burn valves or lead to the valves hitting the piston. If you get them too loose then you will create slop which leads to less HP because your valves are not opening as much which will limit

the air traveling through. There are 2 parts to a cam that are important. You have Duration and you have Lift. The duration is "at the highest point of opening" the total time the valve remains there allowing air in. The lift "total valve height opening" which allows the air to flow through creating HP.

Now the reason you purchase after market cams is for both increase lift and duration to bump HP. The reason you need after market springs is to compensate for the increased lift and prevent floating of the valves when using more radical cams that have a different ramp leading to the peak point. If you adjust your stock cam on the tight side it will provide more lift increasing HP but will require more attention sooner. The main thing you DON'T want to do is create a little gap and create PSI losses which burns valves because you're looking for that little extra lift. Hence the reason you have the minimum specs. I would always adjust them for the lighter side because, as valve and seat wear happens the valves move closer to the tappet requiring more adjustment.

There's not much to this style of adjusting other than taking the time to do this properly. Keep everything clean and always put bolts back into the holes so you're not playing the guessing game during reassembly. Listed below are the tools needed for the job. The complete thing takes about 3-4 hours and is very easy guys/gals.

1. 3/8 Drive Ratchet
2. 3/8 Drive Torque wrench that measures in "IN-LBS"
3. 3/8 Swivel
4. 3/8 Drive 8mm, 10mm and 22mm (Deep well for 22mm) sockets
5. 3/8 Drive 6" extension
6. 3/8 Drive 4mm, 6mm and 14mm Allen sockets
7. 8mm, 10mm, 14mm combination wrenches
8. Stock Spark plug tool
9. Small Standard screwdriver and Large Phillips screwdriver
10. Taper set of "MM" feeler gauges...."Dealership"
11. Tappet adjusting tool "Dealership"
12. Expandable Magnet
13. Set of "CROWS FEET" "to tighten the adjusting nut on valves"

\*\*\*TORQUE SPECS\*\*\*

1. Locknut for valves----- 10 FT LBS or 120 IN lbs
2. Timing Mark Acc Screw----- 4.3 LBS or 51 IN lbs
3. Crankshaft End cover-----7.2 LBS or 86 IN lbs
4. Spark Plug -----9.4 LBS or 113 IN lbs
5. Camshaft Sprocket cover-----7.2 LBS or 86 IN lbs
6. Valve covers both intake and exhaust-----7.2 LBS or 86 IN lbs

I hope this helps everyone along and feel free to email me with any questions at [Mpeavler@cfl.rr.com](mailto:Mpeavler@cfl.rr.com) or the boards!

Take care,

Mike Peavler



[Raptor.jpg](#) (98.62 KB, 1024x768 - viewed 93 times.)

« Last Edit: February 01, 2007, 04:24:42 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline



**Re: How to adjust your 700 Raptor Valves**

« Reply #1 on: January 31, 2007, 07:23:37 PM »



Quote

1 Rear Seat clip



07 Raptor 700



Raptor (1).jpg (99.52 KB, 1024x768 - viewed 50 times.)

« Last Edit: January 31, 2007, 09:43:09 PM by Mpeavler »

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### Mpeavler

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**  
 « **Reply #2 on:** January 31, 2007, 07:23:59 PM » Quote

2 The 2 allen screws holding the cover on.



Raptor (2).jpg (97.34 KB, 1024x768 - viewed 58 times.)

### Mpeavler

Sr. Member



Offline

**Re: How to adjust your 700 Raptor Valves**  
 « **Reply #3 on:** January 31, 2007, 07:24:18 PM » Quote

3 Part of the bolts holding your front fender on "which have 10mm nuts on the back side"

07 Raptor 700



Raptor (3).jpg (102.97 KB, 1024x768 - viewed 61 times.)

« Last Edit: January 31, 2007, 09:44:01 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« Reply #4 on: January 31, 2007, 07:24:29 PM »

Quote

4



Raptor (4).jpg (109.66 KB, 1024x768 - viewed 45 times.)

**Mpeavler**

Sr. Member



Offline

**Re: How to adjust your 700 Raptor Valves**

« Reply #5 on: January 31, 2007, 07:25:06 PM »

Quote

5 10mm bolts

07 Raptor 700



Raptor (5).jpg (98.47 KB, 1024x768 - viewed 46 times.)

« Last Edit: January 31, 2007, 09:44:27 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« **Reply #6 on:** January 31, 2007, 07:25:24 PM »

Quote

6 Those 10mm nuts I spoke about attached to the allens



Raptor (6).jpg (116.35 KB, 1024x768 - viewed 39 times.)

**Mpeavler**

Sr. Member



Offline



**Re: How to adjust your 700 Raptor Valves**

« **Reply #7 on:** January 31, 2007, 07:25:43 PM »

Quote

7 Front cover taken off.

07 Raptor 700



Raptor (7).jpg (104.16 KB, 768x1024 - viewed 49 times.)

« Last Edit: January 31, 2007, 09:45:08 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« Reply #8 on: January 31, 2007, 07:26:02 PM »

Quote

8 Cover off



Raptor (8).jpg (95.96 KB, 768x1024 - viewed 29 times.)

**Mpeavler**

Sr. Member



Offline



**Re: How to adjust your 700 Raptor Valves**

« Reply #9 on: January 31, 2007, 07:26:21 PM »

Quote

9 Out of these 3 only remove the center 10mm



07 Raptor 700



Raptor (9).jpg (100.97 KB, 1024x768 - viewed 44 times.)

« Last Edit: January 31, 2007, 09:45:46 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« **Reply #10 on:** January 31, 2007, 07:26:39 PM »

Quote

10 These are only plastic inserts....use your fingers and twist them out.



Raptor (10).jpg (111.83 KB, 1024x768 - viewed 51 times.)

**Mpeavler**

Sr. Member



Offline



**Re: How to adjust your 700 Raptor Valves**

« **Reply #11 on:** January 31, 2007, 07:26:56 PM »

Quote

11 These are the 10mm rear bolts for the front fender.

07 Raptor 700



Raptor (11).jpg (96.17 KB, 1024x768 - viewed 49 times.)

« Last Edit: January 31, 2007, 09:46:49 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**  
« **Reply #12 on:** January 31, 2007, 07:27:15 PM » Quote

12 Gas cap must be removed to remove the fuel tank cover.



Raptor (12).jpg (101 KB, 1024x768 - viewed 37 times.)

**Mpeavler**

Sr. Member



Offline

**Re: How to adjust your 700 Raptor Valves**  
« **Reply #13 on:** January 31, 2007, 07:27:32 PM » Quote

13 Cover off the fuel tank.

07 Raptor 700



Raptor (13).jpg (112.35 KB, 1024x768 - viewed 31 times.)

« Last Edit: January 31, 2007, 09:47:37 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« **Reply #14 on:** January 31, 2007, 07:27:49 PM »

Quote

14 Exposed top of fuel tank and connections you will need to remove.



Raptor (14).jpg (96.32 KB, 1024x768 - viewed 77 times.)

« Last Edit: January 31, 2007, 09:48:06 PM by Mpeavler »

15 You must unclip this and remove that clear tube prior to moving the front fender off.



Raptor (15).jpg (95.14 KB, 1024x768 - viewed 109 times.)

« Last Edit: January 31, 2007, 09:48:43 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



 **Re: How to adjust your 700 Raptor Valves**  
« Reply #16 on: January 31, 2007, 07:28:25 PM »  Quote

16 Front fender now off the machine.



Raptor (16).jpg (95.6 KB, 1024x768 - viewed 63 times.)

« Last Edit: January 31, 2007, 09:49:03 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



 **Re: How to adjust your 700 Raptor Valves**  
« Reply #17 on: January 31, 2007, 07:28:42 PM »  Quote

17 A little naked but ready for the next step.



Raptor (17).jpg (105.09 KB, 1024x768 - viewed 100 times.)

**Mpeavler**

Sr. Member



Offline

 **Re: How to adjust your 700 Raptor Valves**  
« Reply #18 on: January 31, 2007, 07:29:02 PM »  Quote

18 Rear fuel tank mounting bolts "10mm" must come out.

Posts: 386



07 Raptor 700



Raptor (18).jpg (98.24 KB, 1024x768 - viewed 55 times.)

« Last Edit: January 31, 2007, 09:49:54 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« Reply #19 on: January 31, 2007, 07:29:19 PM »

 Quote

19 The front fuel tank mounting bolts. Please watch for the metal inserts that will fall out when removing the tank.



Raptor (19).jpg (113.43 KB, 1024x768 - viewed 56 times.)

**Mpeavler**

Sr. Member



Offline



**Re: How to adjust your 700 Raptor Valves**

« Reply #20 on: January 31, 2007, 07:29:44 PM »

 Quote

20 A few of the last things holding up the tank removal.



07 Raptor 700



Raptor (20).jpg (101.09 KB, 1024x768 - viewed 74 times.)

« Last Edit: January 31, 2007, 09:52:18 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« **Reply #21 on:** January 31, 2007, 07:29:59 PM »

Quote

21 Clip removal for the fuel line and the connections for the fuel pump. Take your time when removing these...and no tools..only hand power.



Raptor (21).jpg (111.87 KB, 1024x768 - viewed 74 times.)

**Mpeavler**

Sr. Member



Offline

Posts: 386



**Re: How to adjust your 700 Raptor Valves**

« **Reply #22 on:** January 31, 2007, 07:30:21 PM »

Quote

22 Once again...these are only plastic inserts. Use your finger nails and turn 1/4 turn and pull up.

07 Raptor 700



Raptor (22).jpg (97.84 KB, 1024x768 - viewed 71 times.)

« Last Edit: January 31, 2007, 09:52:48 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« Reply #23 on: January 31, 2007, 07:30:39 PM »

Quote

23 Tank off the bike now....ready for cleaning up.



Raptor (23).jpg (100.99 KB, 1024x768 - viewed 44 times.)

**Mpeavler**

Sr. Member



Offline



**Re: How to adjust your 700 Raptor Valves**

« Reply #24 on: January 31, 2007, 07:30:56 PM »

Quote

24 The next and hardest part....removal of the heat shield.

07 Raptor 700



Raptor (24).jpg (102.38 KB, 1024x768 - viewed 125 times.)

« Last Edit: January 31, 2007, 09:53:40 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« **Reply #25 on:** January 31, 2007, 07:31:16 PM »

Quote

25 These are 10mm bolts if you want to remove the battery for further cleaning of the rubber shielding.



Raptor (25).jpg (96.9 KB, 1024x768 - viewed 69 times.)

**Mpeavler**

Sr. Member



Offline

Posts: 386



**Re: How to adjust your 700 Raptor Valves**

« **Reply #26 on:** January 31, 2007, 07:31:34 PM »

Quote

26 Under this plastic is a vent tube that must also be removed. Lastly in the front there are openings for cables, tubes etc. Take your time...no need to rush this little part.

07 Raptor 700



[Raptor \(26\).jpg](#) (96.82 KB, 1024x768 - viewed 94 times.)

« Last Edit: January 31, 2007, 09:55:53 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« Reply #27 on: January 31, 2007, 07:31:50 PM »

Quote

27 Notice the openings in the front. You must guide the wires etc out of there prior to pulling it away and around the stem. Lastly there is also a cable that runs through this you can just slide over.



[Raptor \(27\).jpg](#) (94.46 KB, 1024x768 - viewed 88 times.)

**Mpeavler**

Sr. Member



Offline

Posts: 386



**Re: How to adjust your 700 Raptor Valves**

« Reply #28 on: January 31, 2007, 07:32:09 PM »

Quote

28 At this time...take a few minutes of break. I would whip out some cleaning at this point while your engine is still "closed up". Pay attention to the cover areas.



07 Raptor 700



Raptor (28).jpg (95.44 KB, 1024x768 - viewed 135 times.)

« Last Edit: January 31, 2007, 09:57:46 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« Reply #29 on: January 31, 2007, 07:32:26 PM »

Quote

29 This is your INTAKE side of the valves....which is always closest to the carb or FI in this case. Directly below this is your valves and you need an 8mm to remove the cover.



Raptor (29).jpg (115.47 KB, 1024x768 - viewed 135 times.)

Pages: 1 [2] 3 4 ... 6 [Go Up](#)

30 Exhaust side of the business...again both have different clearances....pay attention to detail. Also you will get some oil that comes out this side when removing it. I would toss a rag over the pipes and oil tank to help with cleaning.



Raptor (30).jpg (90.17 KB, 1024x768 - viewed 58 times.)

« Last Edit: January 31, 2007, 09:59:33 PM by Mpeavler »

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## Mpeavler

Sr. Member



Offline

Posts: 386



07 Raptor 700



## Re: How to adjust your 700 Raptor Valves

« **Reply #31 on:** January 31, 2007, 07:33:06 PM »

 **Quote**

31 Both of these plugs come out. One is 6mm and the other a whopping 14mm. You can skip the tool if you want and use the other end of your spark plug tool and turn out in and out by hand to save a few bucks.



Raptor (31).jpg (97.02 KB, 1024x768 - viewed 102 times.)

## Mpeavler

Sr. Member



Offline

Posts: 386



## Re: How to adjust your 700 Raptor Valves

« **Reply #32 on:** January 31, 2007, 07:33:23 PM »

 **Quote**

32 This is how I chose to keep the fuel dripping under control and your fuel line clean of dirt. Nothing fancy....but it works.

07 Raptor 700



Raptor (32).jpg (95.45 KB, 1024x768 - viewed 138 times.)

« Last Edit: January 31, 2007, 10:00:59 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« Reply #33 on: January 31, 2007, 07:33:40 PM »

Quote

33 Time for the plug to come out. Notice that 14mm end that can be used in the previous step.



Raptor (33).jpg (98.37 KB, 1024x768 - viewed 105 times.)

**Mpeavler**

Sr. Member



Offline



**Re: How to adjust your 700 Raptor Valves**

« Reply #34 on: January 31, 2007, 07:33:58 PM »

Quote

34 Timing mark lined up.....NOTICE it's not the "H" mark....but the "I" mark.

07 Raptor 700



Raptor (34).jpg (93.93 KB, 1024x768 - viewed 198 times.)

« Last Edit: January 31, 2007, 10:01:54 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« **Reply #35 on:** January 31, 2007, 07:34:18 PM »

[Quote](#)

35 Intake valves ready for checking.



Raptor (35).jpg (105.55 KB, 1024x768 - viewed 199 times.)

**Mpeavler**

Sr. Member



Offline

Posts: 386



**Re: How to adjust your 700 Raptor Valves**

« **Reply #36 on:** January 31, 2007, 07:34:37 PM »

[Quote](#)

36 This is where your camshaft sprocket is located. It's held on again by 2 8mm bolts. It will seem "STUCK" but it's only because an "O" ring is holding it in place. Wiggle it out to reveal what's behind door # 3 🤪

07 Raptor 700



Raptor (36).jpg (96.69 KB, 1024x768 - viewed 81 times.)

« Last Edit: January 31, 2007, 10:03:16 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« **Reply #37 on:** January 31, 2007, 07:34:54 PM »

[Quote](#)

37 Notice the line on the sproket....this should be facing up and lined up with the case markings.



Raptor (37).jpg (93.37 KB, 1024x768 - viewed 165 times.)

**raptair700r**

VIP

Sr. Member



Offline



**Re: How to adjust your 700 Raptor Valves**

« **Reply #38 on:** February 01, 2007, 10:41:23 AM »

[Quote](#)

You really meant divide in your write up instead of multiply. Both of you are saying the same thing, but minor error in the write up. You can just edit it.



## FrignDope

VIP  
Jr. Member



Offline

Posts: 75



## Mpeavler

Sr. Member



Offline

Posts: 386



### Re: How to adjust your 700 Raptor Valves

« Reply #39 on: February 01, 2007, 02:29:36 PM »



Great write up, Thanks!

<a href="#">Report to moderator</a> <a href="#">Logged</a>

2007 Raptor 700r  
 PCIII  
 EHS Lid  
 DMC Duals  
 Armadillo Full Skids  
 AC Racing Blackline Bumper  
 AC Racing Six Pack Rack (PC'd)  
 Pro Design Intake w/ K&N Filter  
 TCS Rear Shock Rebuild  
 HEP Radiator/Coolant Cover  
 23"/22" Razr2/Baja Rims



### Re: How to adjust your 700 Raptor Valves

« Reply #40 on: February 01, 2007, 04:26:59 PM »



39 Here is a close up of the intake valves and the adjusters. These are 10MM bolts and once loosened you can use the special tool that is basically a box measuring 3mm.

07 Raptor 700



Raptor700 (39).jpg (99.29 KB, 1024x768 - viewed 149 times.)

« Last Edit: February 01, 2007, 04:31:32 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« Reply #41 on: February 01, 2007, 04:27:51 PM »

Quote

40 Checking for the proper clearance between the 2 parts. Remember to go to the back side where it will be the tightest.



Raptor700 (40).jpg (101.53 KB, 1024x768 - viewed 147 times.)

**Mpeavler**

Sr. Member



Offline

Posts: 386



**Re: How to adjust your 700 Raptor Valves**

« Reply #42 on: February 01, 2007, 04:29:04 PM »

Quote

41 Once you adjust the clearance to the desired range, place the tool on the valve adjuster and then you will use the crows feet "10mm" to tighten up things. Once done recheck it. You should play with the rocker arm to make sure it's at the highest point.

07 Raptor 700



Raptor700 (41).jpg (102.09 KB, 1024x768 - viewed 123 times.)

« Last Edit: February 01, 2007, 04:33:29 PM by Mpeavler »

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**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« Reply #43 on: February 01, 2007, 04:29:32 PM »

[Quote](#)

42 Just another shot of the taper feeler gauges and the special tool you can get from Yamaha for the job.



Raptor700 (42).jpg (97.09 KB, 1024x768 - viewed 160 times.)

**Mpeavler**

Sr. Member



Offline

Posts: 386



**Re: How to adjust your 700 Raptor Valves**

« Reply #44 on: February 01, 2007, 04:29:52 PM »

[Quote](#)

43 Sorta a little busy section when you have the 3 tools in the intake area. Start with the feeler gauge...then crows feet...then the tappet adjusting tool. An extra hand here would be nice....damn where's my old lady!!!

07 Raptor 700



Raptor700 (43).jpg (99.88 KB, 1024x768 - viewed 165 times.)

« Last Edit: February 01, 2007, 05:23:32 PM by Mpeavler »

44 Intake cover back on and rechecked a few times...then move to the exhaust side.



Raptor700 (44).jpg (116.35 KB, 1024x768 - viewed 39 times.)

« Last Edit: February 01, 2007, 04:34:52 PM by Mpeavler »

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### Mpeavler

Sr. Member



Offline

Posts: 386



07 Raptor 700

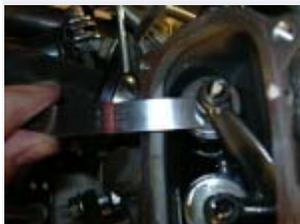


### Re: How to adjust your 700 Raptor Valves

« Reply #46 on: February 01, 2007, 04:30:47 PM »

Quote

45 Same thing with the exhaust...just make sure your back at TDC or top dead center. This one requires a thicker gauge...don't forget!



Raptor700 (47).jpg (115.38 KB, 1024x768 - viewed 109 times.)

**Mpeavler**

Sr. Member



Offline

Posts: 386



07 Raptor 700



**Re: How to adjust your 700 Raptor Valves**

« **Reply #47 on:** February 01, 2007, 04:37:32 PM »

**Quote**

Hope all of you have some confidence now to save yourself some money. The biggest thing to remember is DOUBLE check everything before wrapping it up. Now as you put everything back on..."esp the heat shield" use this as a guide to get your hoses routed correctly. Don't forget the underside one as well.

Take care,  
Mike

P.S

Your welcome to email me or call with questions

407-701-9541

Prior to 11pm EST Please 🤪