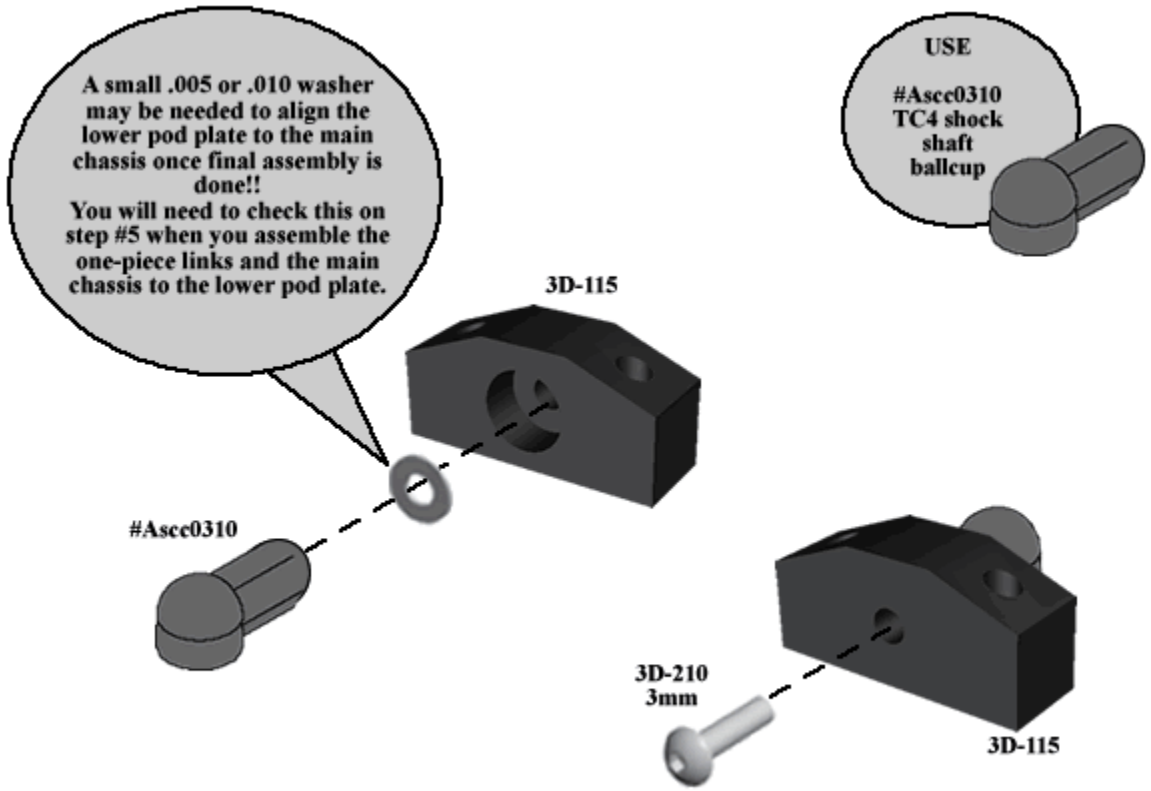
Step #1

1) Slide the TC4 shock shaft ballcup #ASC0310 into the cutout hole in the pivot block #3D-115. Hold the block and ballcup secure while tightening the #3D-210 3mmx3/8 screw from the opposite side. Thread until tight making sure that it is tight and not loose. Do not overtighten or you can deform the nylon 6/6 block. The block and pivot ball are designed to absorb large hits and also for ease of replacement!

NOTE: After step #5, you might have to add a small shim to adjust the position of the ballcup. Do not add anything until you are finished with step #5. The diagram below shows where you will have to add a shim if needed.



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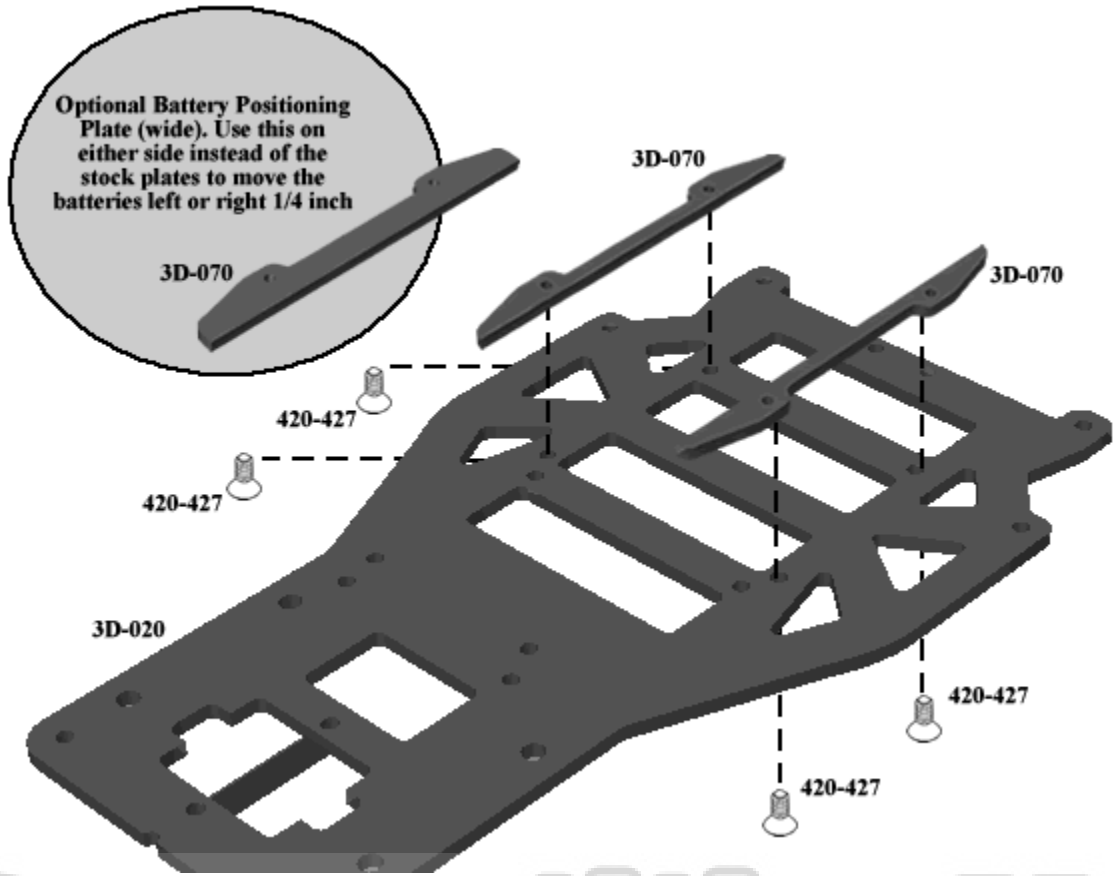
Step #2

NOTE: THIS STEP IS ONLY USED WHEN ASSEMBLING THE OPTIONAL ADJUSTABLE BATTERY POSITION CHASSIS #3D-025!!

1) Using 4- #420-427 4-40x1/4 flat head socket screws secure the right and left battery positioning plates #3D-070 to the main chassis.

NOTE: The wide battery positioning plate is to be used with oddball electronics or chassis layouts. To use it, remove both of the stock plates and secure the wide plate opposite of wichever side you will want the batteries to be on.



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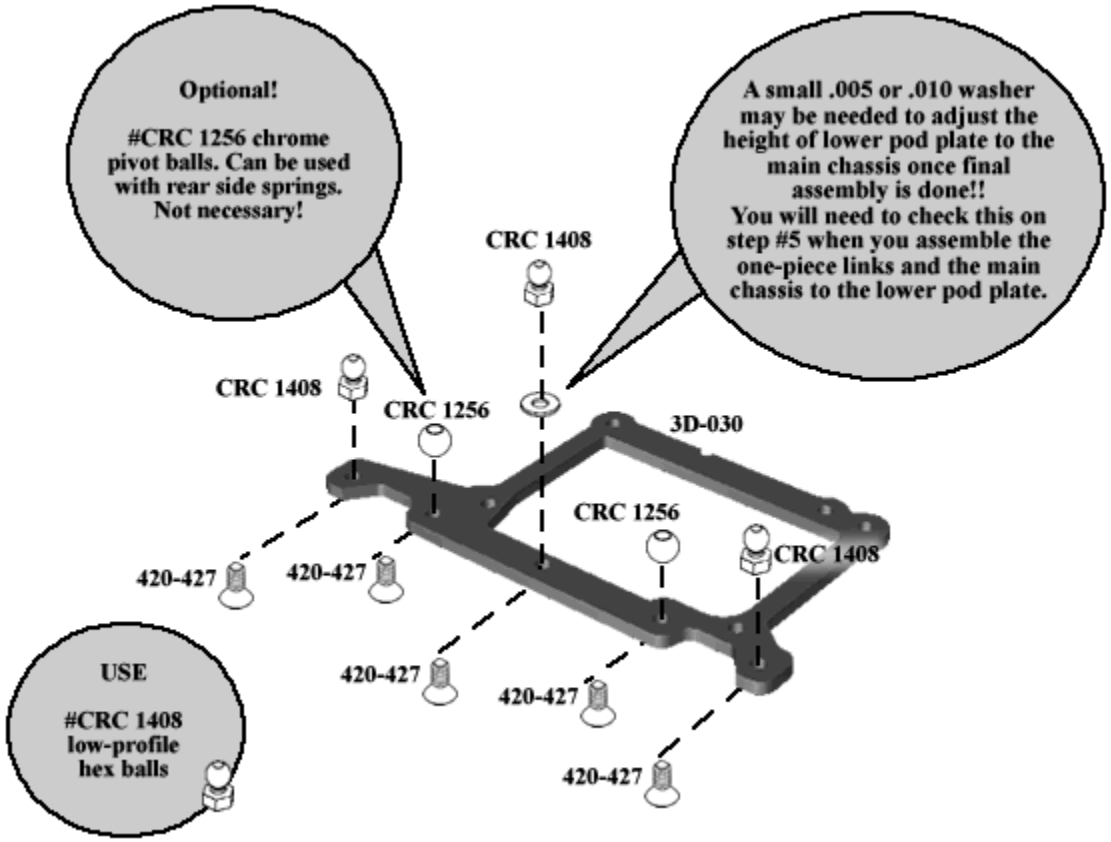
Step #3

1) Attach 3- #CRC1408 low profile hex balls to the lower pod plate #3D-030 using 3- #420-427 4-40x1/4 flat head socket screws. You may decide to use the chrome pivot balls #CRC1256 but they are not needed. With the lowered rear dampener plate the springs will sit flush to the carbon instead of on the chrome balls.

NOTE: After step #5, you might have to add a small shim to adjust the position of the center ball. Do not add anything until you are finished with step #5. The diagram below shows where you will have to add a shim if needed.



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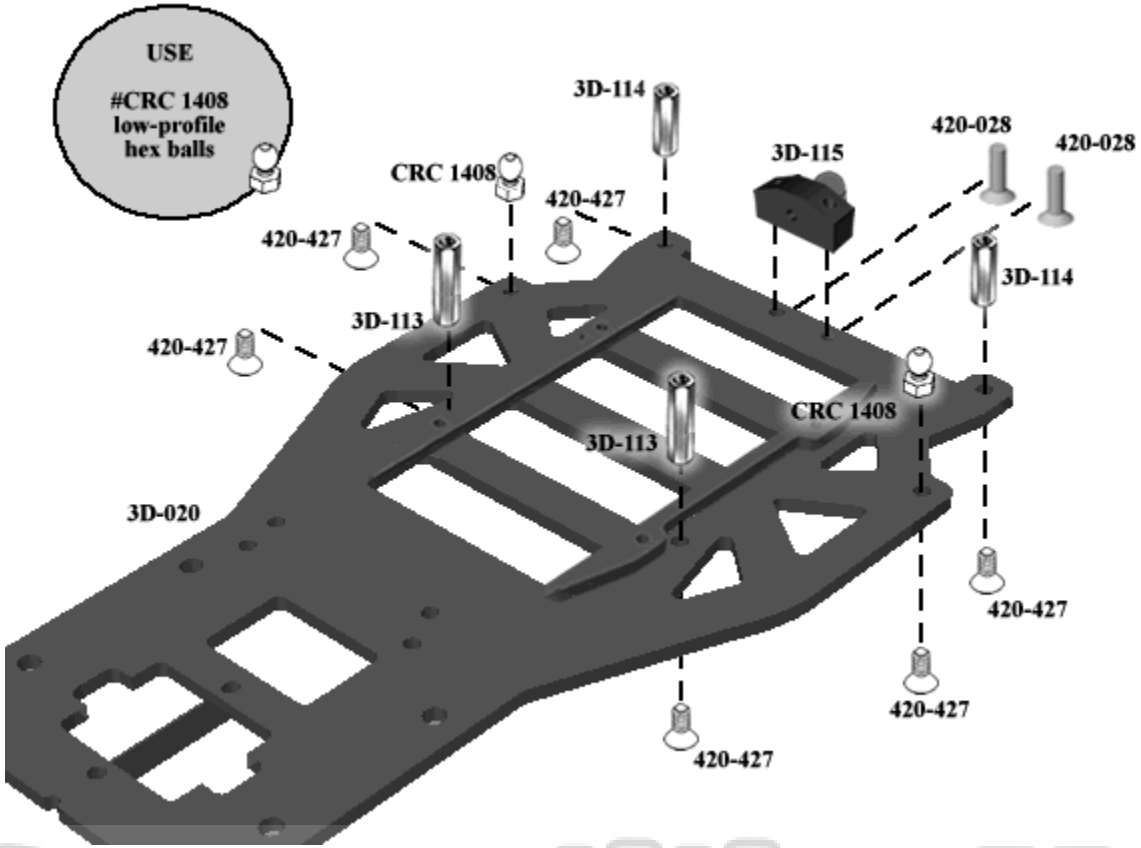
Step #4

1) Attach 2- #CRC1408 low profile hex balls to the main chassis using 2- #420-427 4-40x1/4 flat head socket screws.
2) Attach the dampener plate standoffs #3D-114 to the main chassis using 2- #420-427 4-40x1/4 flat head socket screws.
3) Attach the battery brace standoffs #3D-113 to the main chassis using 2- #420-427 4-40x1/4 flat head socket screws.
4) Attach the rear pivot block #3D-115 to the main chassis using 2- #420-028 4-40x3/8 flat head socket screws.



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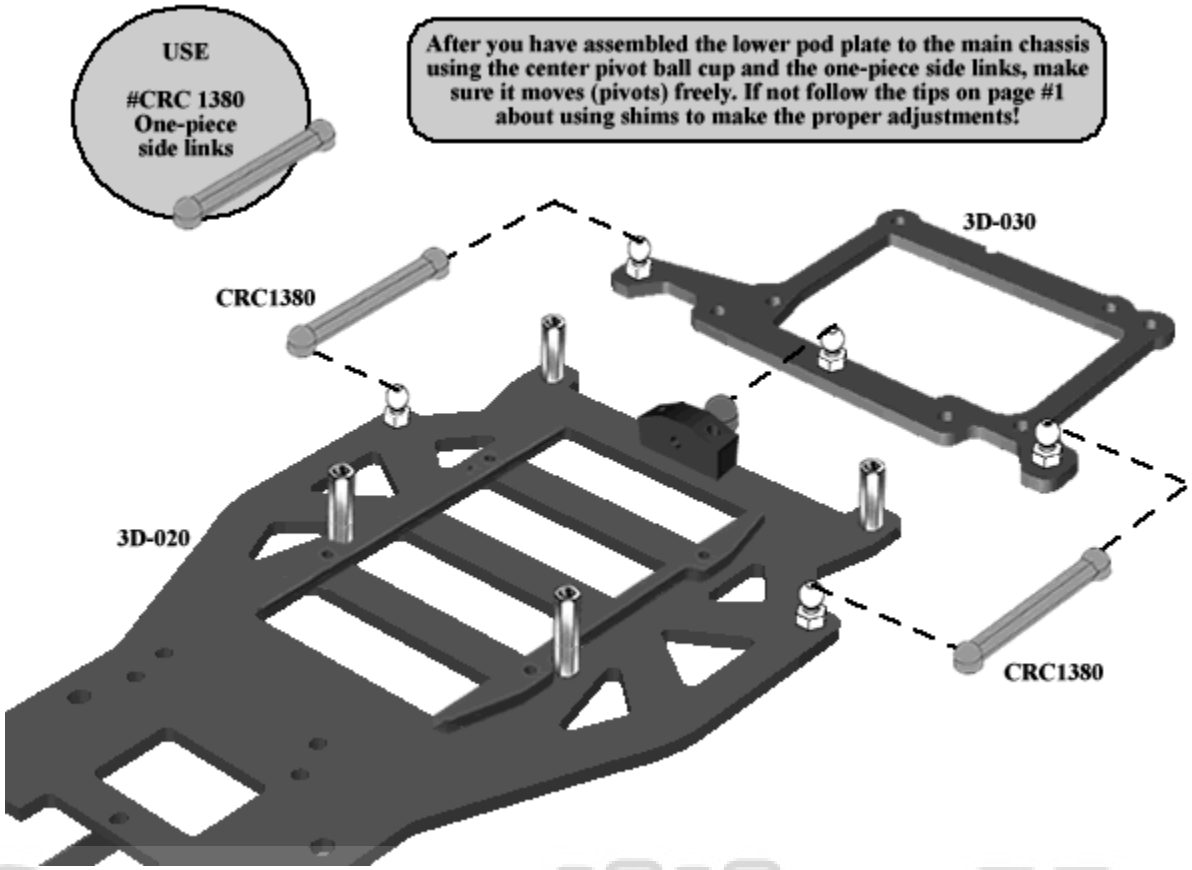
Step #5

1) Attach the lower pod plate #3D-030 to main chassis #3D-020 by snapping the center pivot block #3D-115 onto the center pivot ball.

2) Attach the #CRC1380 one-piece side links onto the main chassis first. Before you snap them to the balls on the lower pod plate check to see if any shimming will be needed. If you lay the non-snapped ends of the one-piece links onto the balls on the lower pod plate and they do not line up then you will need to add a shim on the inside of the center pivot block. You can snap them all together and then see if it pivots freely right away but this will ensure that you wont have to snap the one-piece links on and off a bunch of times and wearing them out! Once it is all together check to see where you want the chassis to ride compared to the lower pod plate. The lower pod plate will be slightly higher than the main chassis at stock locations, this is so when the rear pod has to compress then the lip of the carbon on the lower pod plate will be level and not below level. You can make the proper adjustments as stated in step #3.



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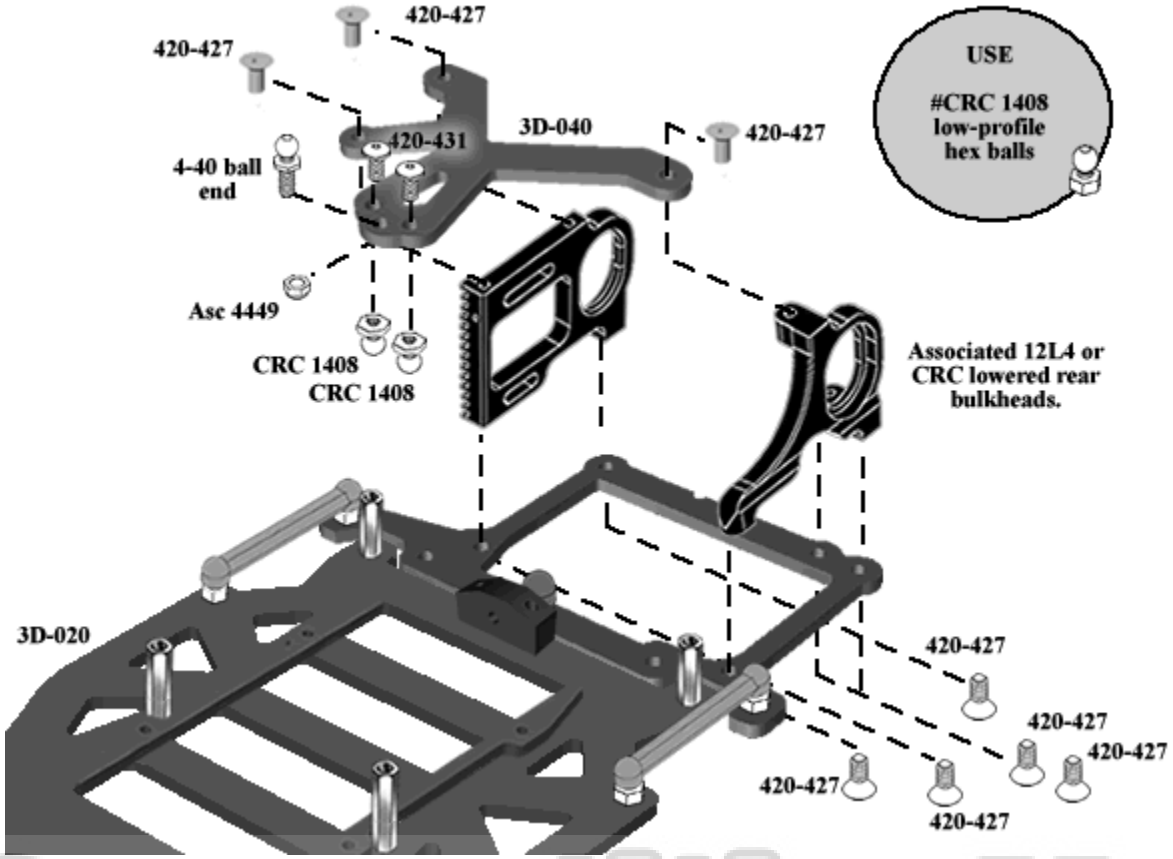
Step #6

1) Attach the rear bulkheads to the lower pod plate #3D-030 using 5- #420-427 4-40x1/4 flat head socket screws.
2) Attach 2- #CRC1408 lowered hex balls to the upper pod plate #3D-040 using 2- #420-431 4-40x1/4 pan head socket screws.
3) Attach one 4-40 ball end to the upper pod plate #3D-040 using a mini 4-40 locknut.
4) Attach the upper pod plate #3D-040 to the rear bulkheads using 3- #420-427 4-40x1/4 flat head socket screws.



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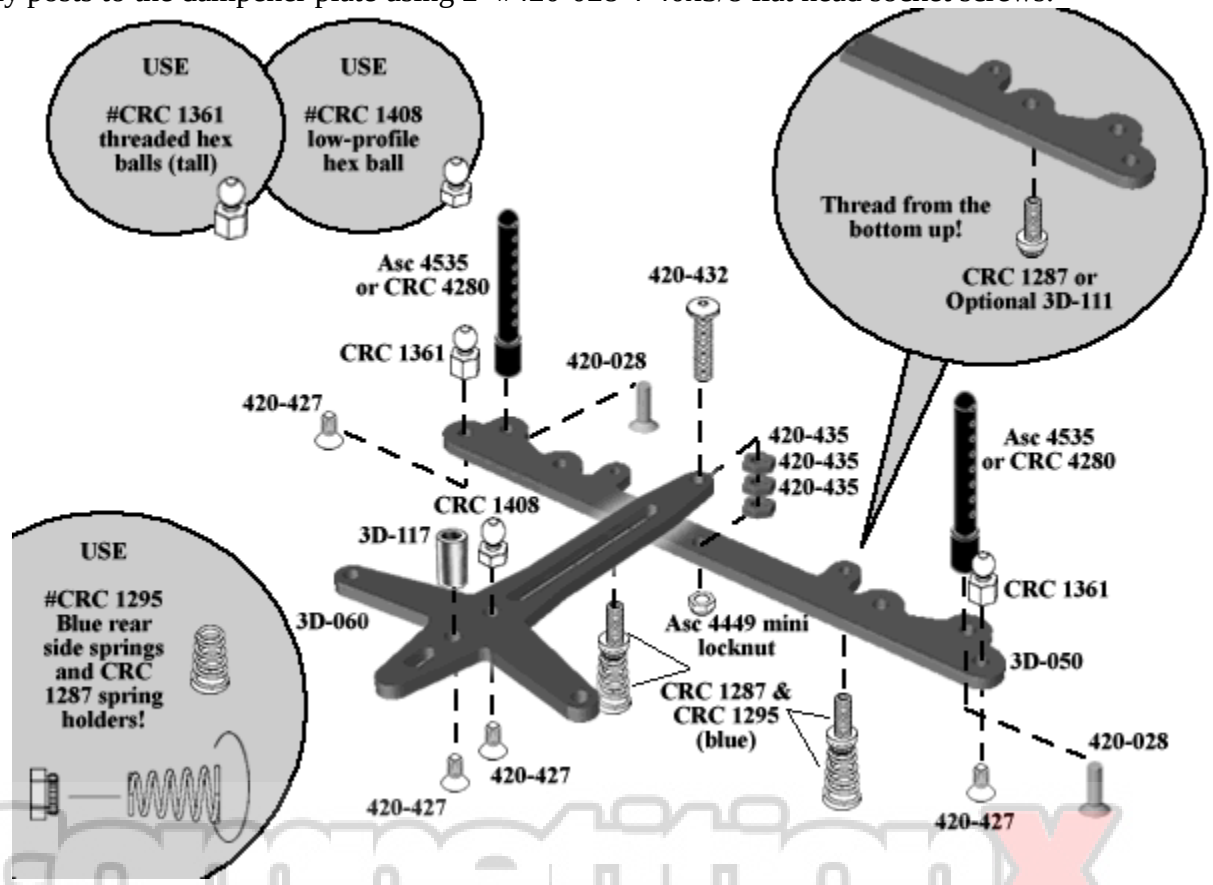
Step #7

1) Attach the battery brace #3D-060 to the dampener plate #3D-050 using 1- #420-432 4-40x1/2 pan head socket screw. Slide the screw through the battery brace and then slide 3- #420-435 .062 nylon shims, slide it through the dampener plate and secure it using a 4-40 mini locknut (you might need to flip it upside down so that the screw will grab the nylon in the nut). Make sure to leave this a tiny bit loose so that you will be able to swing the battery brace to one side to allow for battery insertion/removal. Attach 1- #CRC1408 low profile hex ball to the battery brace using 1- #420-427 4-40x1/4 flat head socket screw and attach the antenna mount #3D-117 using 1- #420-427 4-40x1/4 flat head socket screw.

2) Using the #CRC1287 rear side spring holders, thread the holders from the bottom up through the dampener plate. Twist the #CRC1295 blue rear side springs onto the holders. You will adjust how far you will need to tighten these when you do final setup and tweak.

3) Attach 2- #CRC1361 threaded hex balls to the dampener plate using 2- #420-427 4-40x1/4 flat head socket screws.

4) Attach the rear body posts to the dampener plate using 2- #420-028 4-40x3/8 flat head socket screws.



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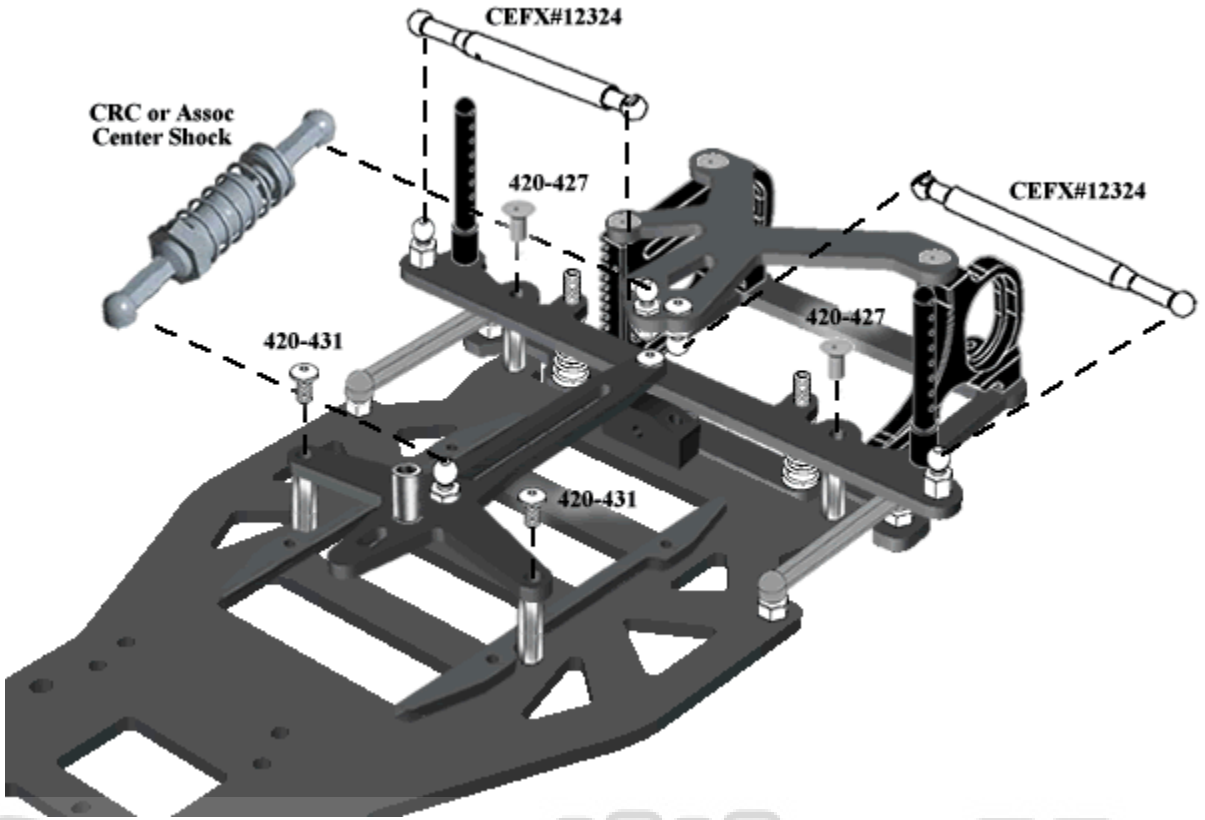
Step #8

1) Attach the dampener plate #3D-050 to the dampener plate standoffs using 2- #420-427 4-40x1/4 flat head socket screws.
2) Attach the battery brace #3D-060 to the battery brace standoffs using 2- #427-431 4-40x1/4 pan head socket screws.
3) Assemble the 2- #CEFX12324 short dampener tubes using 4- #3D-116 4-40x3/8 set screws and 4 associated ball cups.
4) Attach the dampener tubes to the dampener plate and upper plate as shown below.
5) Assemble and/or attach the center shock to the battery brace and upper pod plate as shown below.



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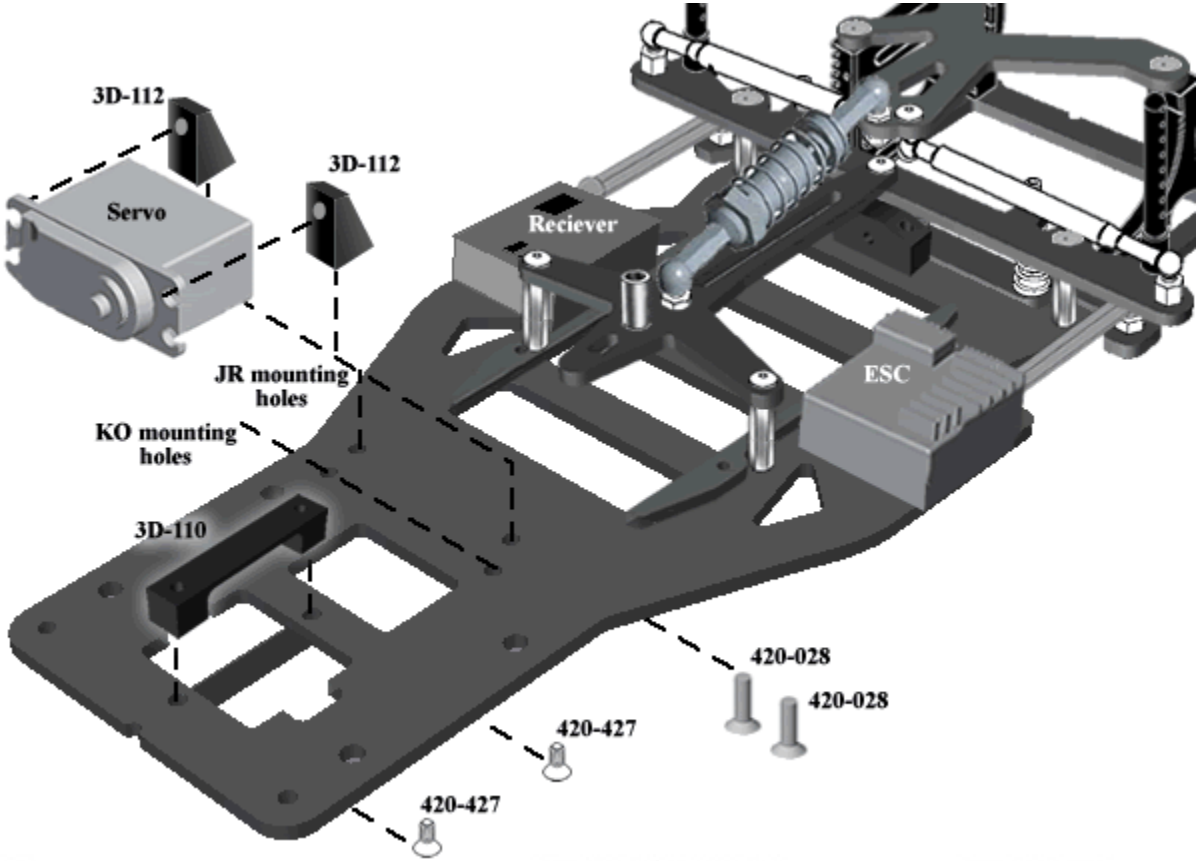
Step #9

1) Mount your servo to the 2- #3D-112 servo mounts using your existing hardware and mount the servo mounts to the proper holes using 2- #420-028 4-40x3/8 flat head socket screws. (holes are labeled below for proper servo)

2) Mount your personal transponder to the chassis using the #3D-110 nylon transponder strap and secure the strap by using 2- #420-427 4-40x1/4 flat head socket screws. You will need to cut your tabs if you have not already so that it can sit into the cutout properly.

3) Below is the recommended electronics mounting locations.

4) Mount the front end, front body posts and rear axle assembly.



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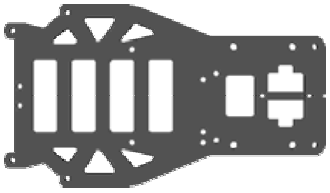
3D12 Included Parts List- Conversion Kit



3D-020

1 per kit

3D-030

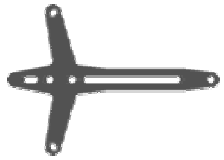
1 per kit

3D-040

1 per kit

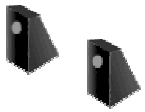
3D-050

1 per kit



3D-060

1 per kit



3D-112

1 per kit

3D-111

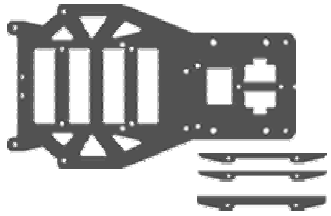
1 per kit

3D-115

1 per kit

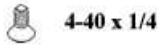
CEFX# 12324

2 per kit



Optional 3D-025

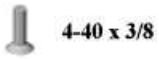
Optional



4-40 x 1/4

Part# 420-427

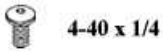
31 per kit



4-40 x 3/8

Part# 420-028

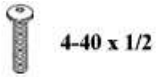
6 per kit



4-40 x 1/4

Part# 420-431

4 per kit



4-40 x 1/2

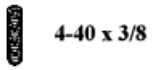
Part# 420-432

1 per kit

3mm x 3/8

Part# 3D-210

1 per kit



4-40 x 3/8

Part# 3D-116

4 per kit

Part# 3D-114

2 per kit

Part# 3D-113

2 per kit

Part# 420-435

3 per kit

Part# 3D-117

1 per kit

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