# Brutale 1000 US Tail Tidy Install (Regular)

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## Rear Plate Bracket Removal and Wire Re-routing

1. **(Rear wheel removal is not necessary but does provide more room to remove the right-side pinch bolt)** Remove the rear wheel nut (clockwise to loosen) and remove the rear wheel.
2. The exhaust needs to be removed to re-route the wires for the signal and license light. Start by removing the 4 screws from the belly pan and sliding it down past the kick stand. (**Figures 1 & 2)**
3. Remove the 2 bolts holding on the exhaust valve servo. Unplug the connector at the top of the exhaust valve servo by pushing in the tab and pulling up. Let the servo hang freely so that the CAT can be removed in future steps. ***(Figure 3)***
4. Remove the 2 bolts, one on each side of the bike, holding on the CAT. Use a 10mm wrench to secure the nut on the backside to remove each bolt. ***(Figure 4)***
5. Remove the 2 bolts holding on the right-side rear set and exhaust cover. ***(Figure 5)***
6. Remove the 3 bolts holding the exhaust bracket in ***Figure 6.*** Rest the exhaust bracket with the rear brake reservoir against the bike. ***(Figure 7)***
7. Place a cloth behind the right-side rear set/exhaust cover and move it to the front of the bike to rest on the frame. Loosen the exhaust clamp where the slip-on and CAT connect. ***(Figure 7)***
8. Remove the 4 bolts holding the left side exhaust bracket. ***(Figure 8 & 9)***
9. Carefully slide the slip-on exhaust over the rear tire and off the bike. Placing a cloth on top of the connecting pipe that runs between the rear tire and bottom carbon tail is recommended so that it doesn't scuff the bottom carbon tail when removing the exhaust.
10. Pull the cat towards the rear wheel to remove it from the header pipe.

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11. Remove the 2 screws holding on the small wire cover where the signal and license light wires connect. Disconnect the wires. ***(Figure 10 & 11)***
12. Remove the 3 bolts holding on the license plate bracket and remove the bracket. Install the included titanium pinch bolts. ***(Figure 10)***
13. Remove the 3 screws holding on the plastic wire cover that runs along the swingarm. Remove signal and license light wires. Reinstall cover over rear brake and speed sensor wire. ***(Figure 12)***
14. Unscrew the wire holder on the bottom of the swingarm where the CAT was removed and remove the signal and license plate light wire from the holder. Reinstall back onto the swing arm. ***(Figure 13)***
15. Look through where the exhaust valve servo was removed. Wiggle the signal and license plate light wire to identify it and pull it through into the bottom section of the bike. Reference the next steps for accessing the battery compartment where the wires will ultimately run and connect to the new signal/tail tidy. ***(Figure 14 & 15)***
16. Remove the OEM license plate light from the stock bracket housing
17. **Fender Eliminator Assembly and Install**

1. To access the battery compartment, start by removing the four screws. ***(Figure 16)***
2. Remove the screw holding the two side fairings ***(Figure 17)***
3. Remove side fairings by first removing the post from the grommet in the rear by pulling toward you ***(Figure 18)*** and gently pull the panel out and away towards the back of the bike to unhook from post ***(Figure 19)***.
4. Remove the screw holding on the two rear fairings from the bottom of the bike and remove the fairings by pulling out and towards the front of the bike. ***(Top with seat off shown in Figure 20 for reference)***
5. Unscrew the two bolts holding the seat **(Figure 21)** and pull back slightly and up to avoid scratching the fuel tank. **(Figure 22)**

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6. Remove the 7 screws ***(Figure 23)*** holding the top passenger seat fairing and ABS unit. Remove the top fairing by pulling slightly toward the bike and up. Set aside the metal bracket for the seat hook.
7. With the top fairing and bracket removed, undo the 4 screws holding on the taillight. ***(Figure 24)***
8. Unhook the taillight wire connector from the metal tab and disconnect. Remove the taillight by pulling towards the back wheel.
9. Remove the two screws on the back side of the taillight. ***(Figure 25)***
10. Fasten the signal bracket with the provided thread rolling screws. ***(Figure 26)***
11. Fasten the signal unit to the signal bracket. ***(Figure 27)***
12. Remove the rear plastic fairing by undoing the two screws found inside the rear frame and pulling it back away from the bike. ***(Figure 28)***
13. Remove the metal tabs from the lower half of the plastic fairing. ***(Figure 29)***
14. Newer models of both bikes now have closed slots where older models used to be open. Older models will need to widen the top slot, vertically, to accommodate the middle bracket that runs from the taillight into the bike. Newer models will need to cut out the top slot indention. Refer to ***Figure 30.***
15. Slide the middle attachment bracket (thicker of the two included brackets) through the slot that was cut in step 11. ***(Figure 33)*** Fasten it to the CNC billet bracket using two of the four provided M5 screws. ***(Figure 31, 32)*** Do not fasten the billet bracket to the bike yet to allow the taillight to slide back onto the bike in step 17.
16. Slide the plastic fairing back onto the tail frame. Make sure the connecting bracket is pressed up against the plastic fairing to allow room for the taillight to be placed back on the bike. ***(Figure 33, 34)***
17. Slide the taillight back onto the bike and re-fasten it using the previously removed 4 screws in step 7.
18. Place the billet bracket underneath the two plastic tabs on the plastic fairing and screw on to the tail frame using the two provided M5 screws ***(Figure 32)***. Leave loose, do not tighten down all the way. ***(Figure 35)***
19. Fasten the license light to the light bracket using the two provided M3 screws ***(Figure 36)***
20. Slide the license extension bracket into the wire cover. ***(Figure 37)***
21. Place license bracket into the wire cover and fasten it with the two provided M4 countersunk screws and locknuts. ***(Figure 38, 39)***
22. Slide the license light wire through the hole in the license extension. ***(Figure 40)***
23. Stick the provided wire clip on the bottom side of the license plate extension bracket. ***(Figure 41)***
24. Slide the license extension bracket between the signal and middle bracket. Secure it using the two provided M5 screws. Run the license light wire into the center hole. ***(Figure 42)***
25. Tighten the 2 screws that were previously left loose in step 18.
26. Run the wires between the taillight and plastic fairing. ***(Figure 43)***
27. Reassemble the bike in reverse order of previous steps.

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*Figure 1*

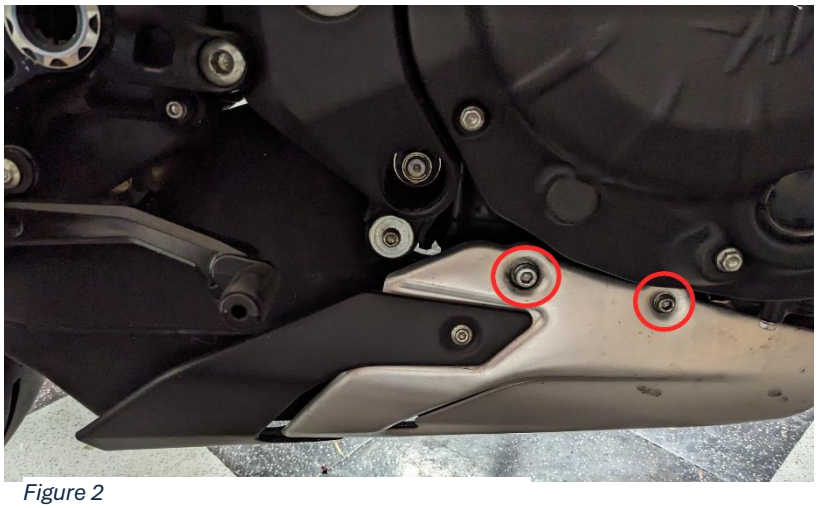


*Figure 2*

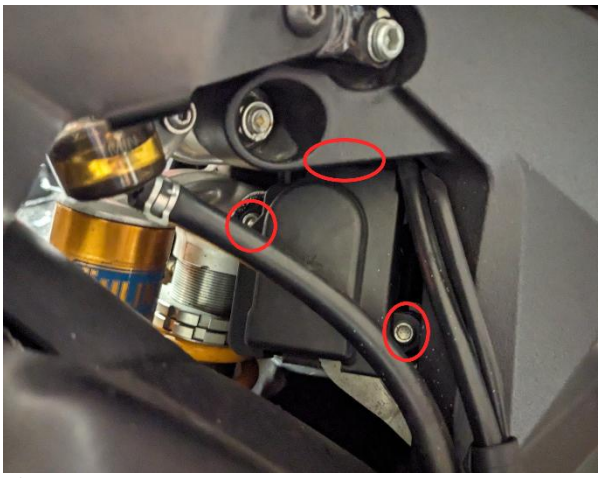


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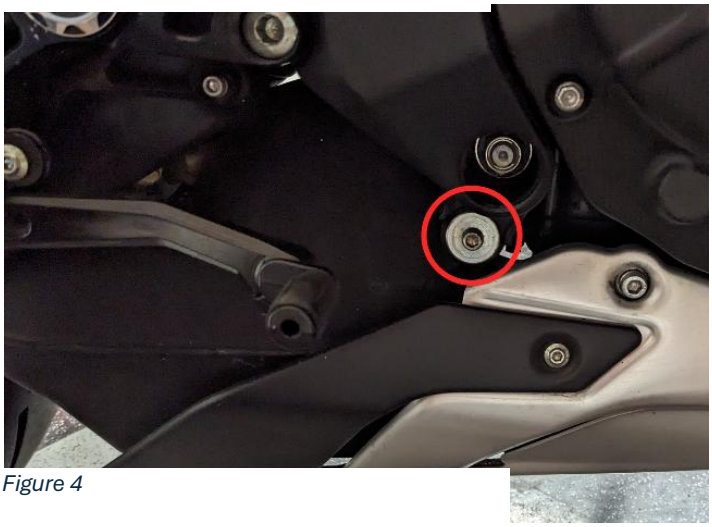
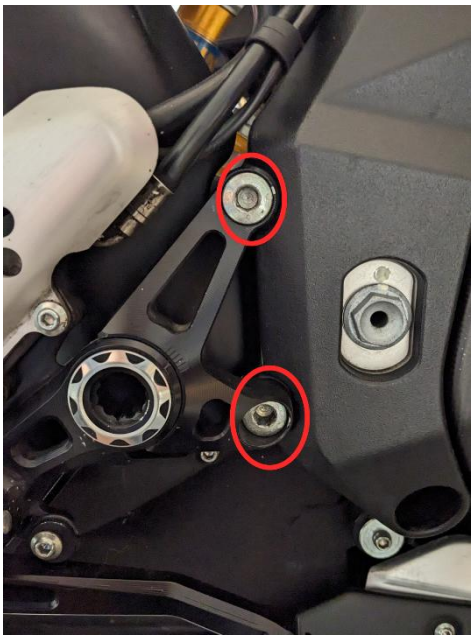
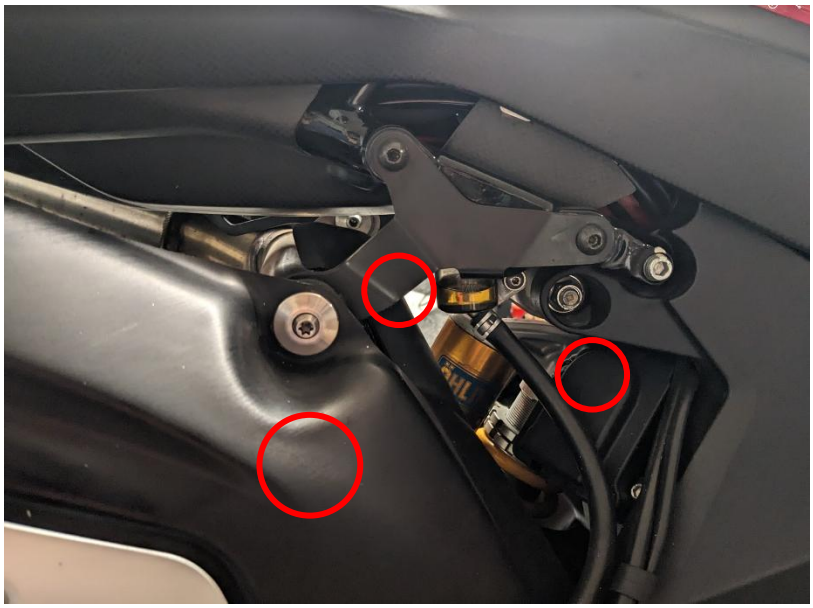


*Figure 4*





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Figure 7



Figure 8

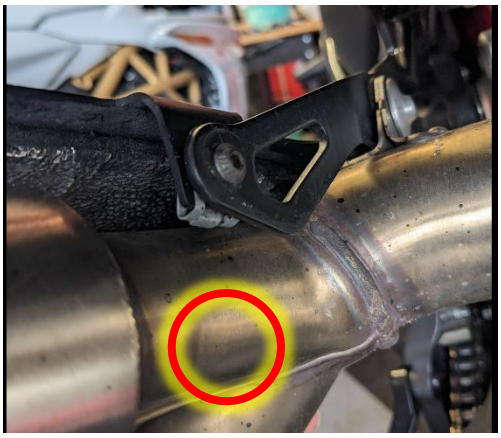


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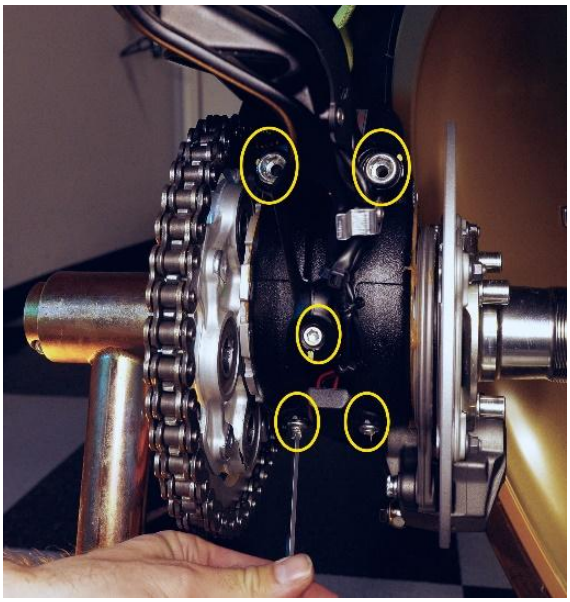


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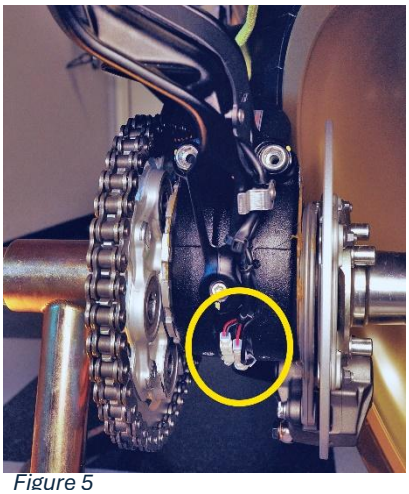


Figure 5
Figure 11

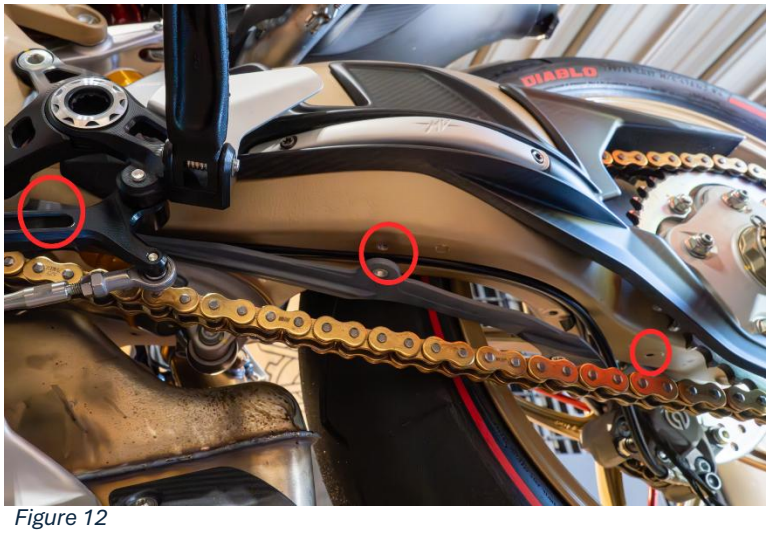



Figure 12

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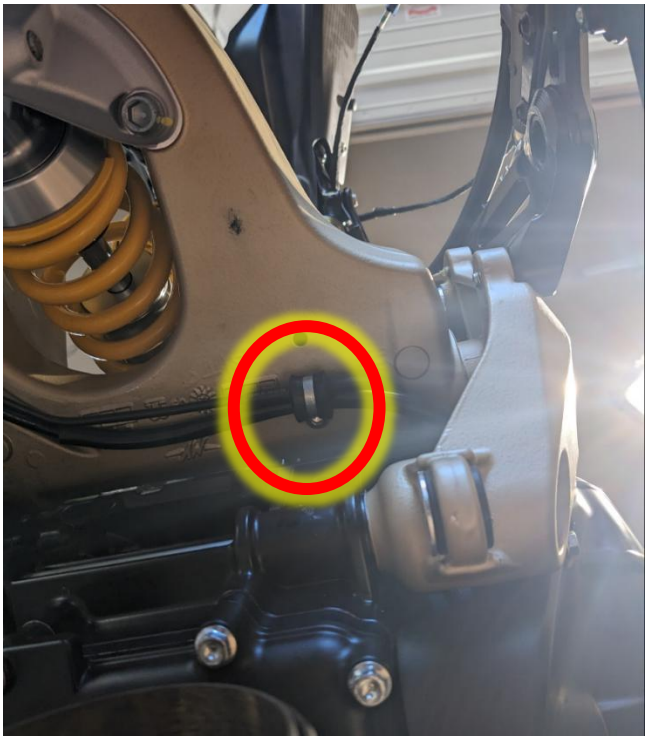


*Figure 13*



*Figure 14*

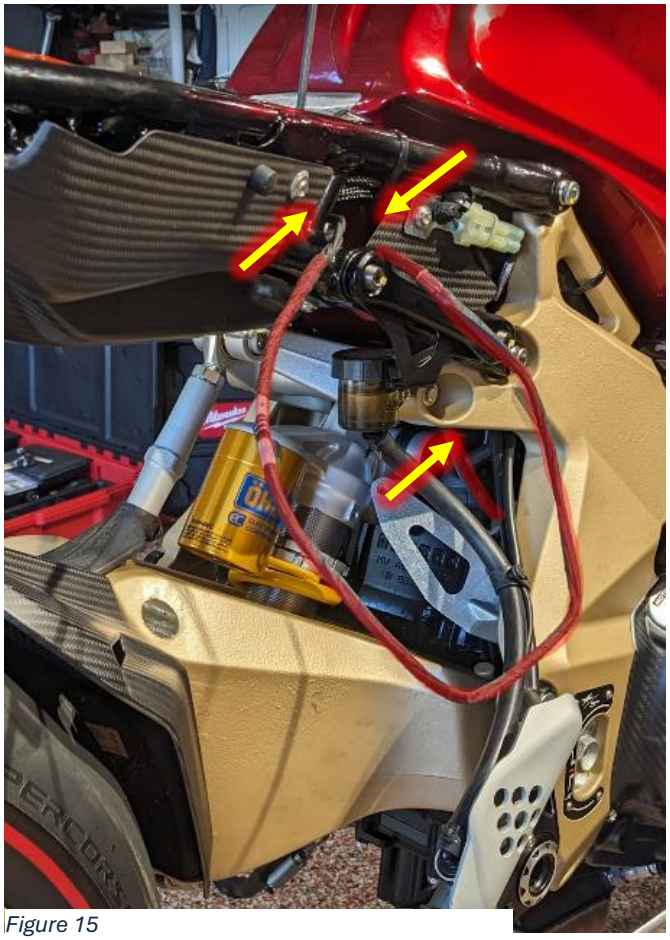


*Figure 15*

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*Figure 16*

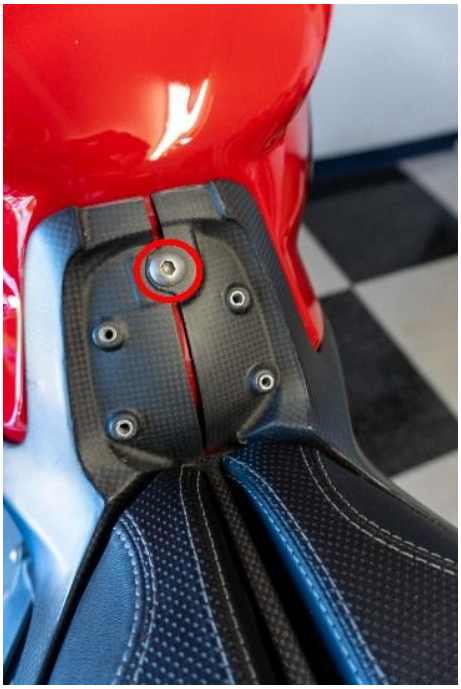


*Figure 17*



*Figure 18*



*Figure 19*

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*Figure 20*

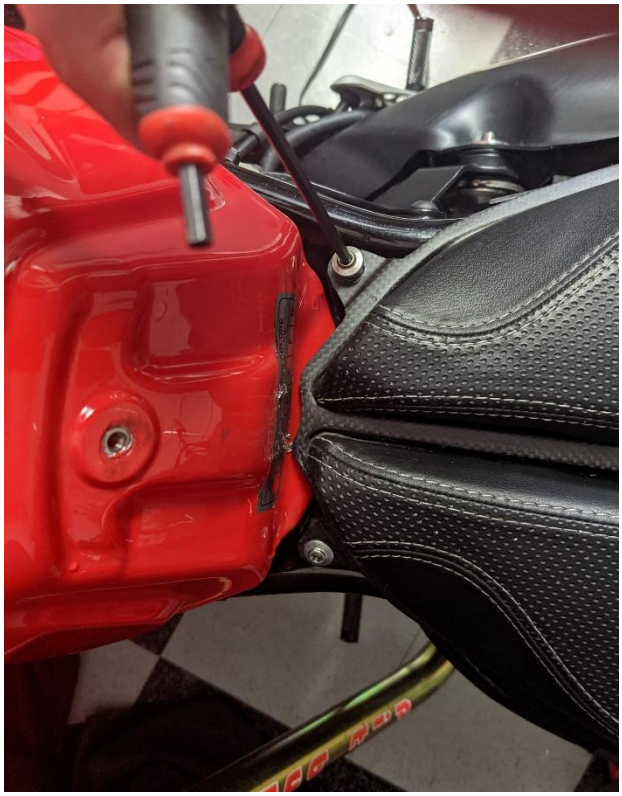


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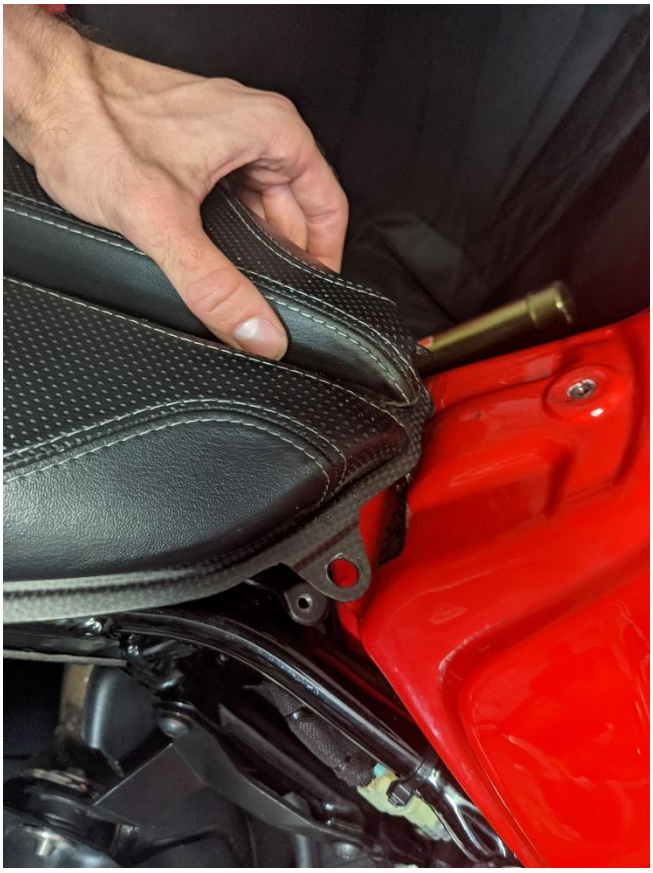


*Figure 22*

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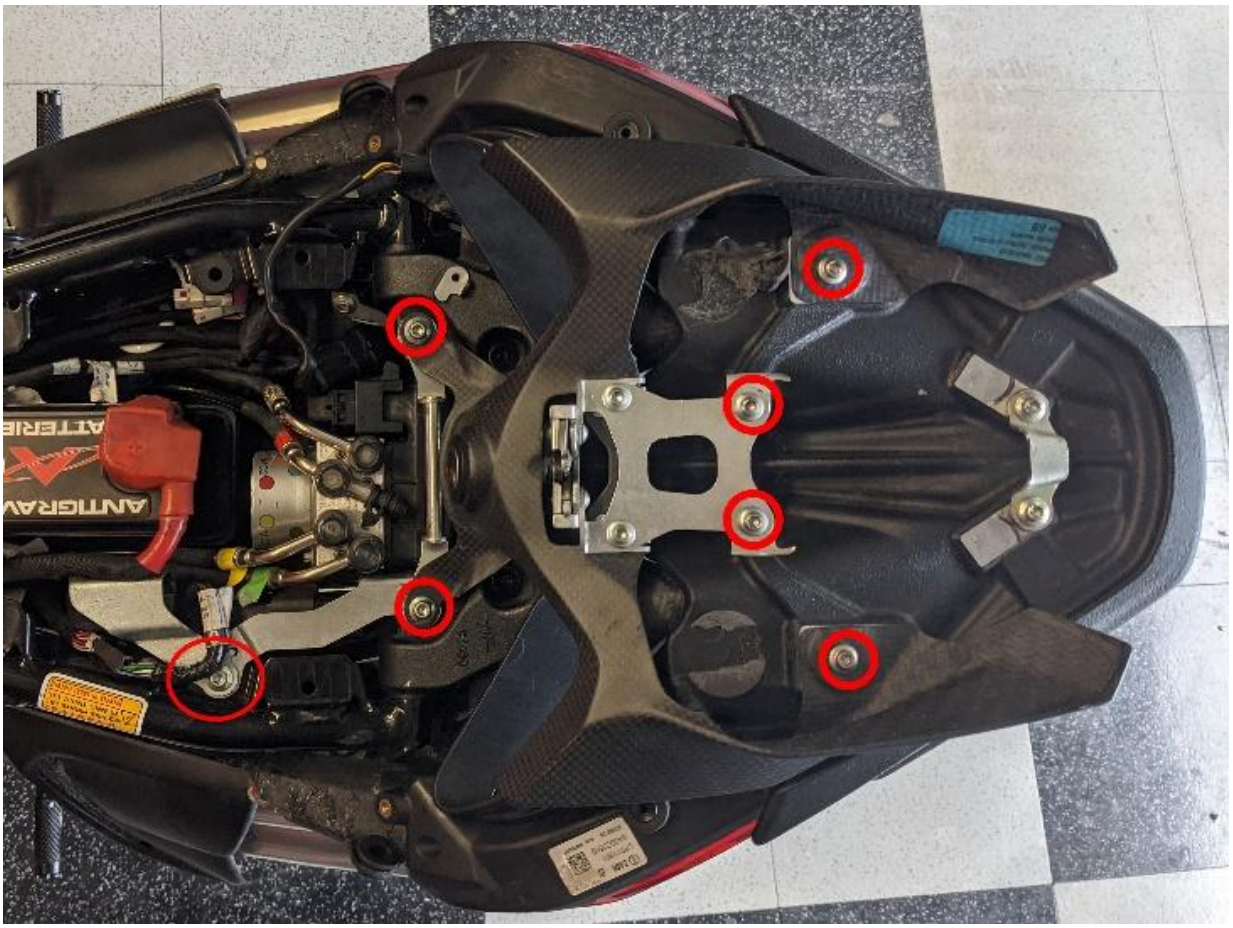


*Figure 23*



*Figure 24*



*Figure 25*

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*Figure 26*

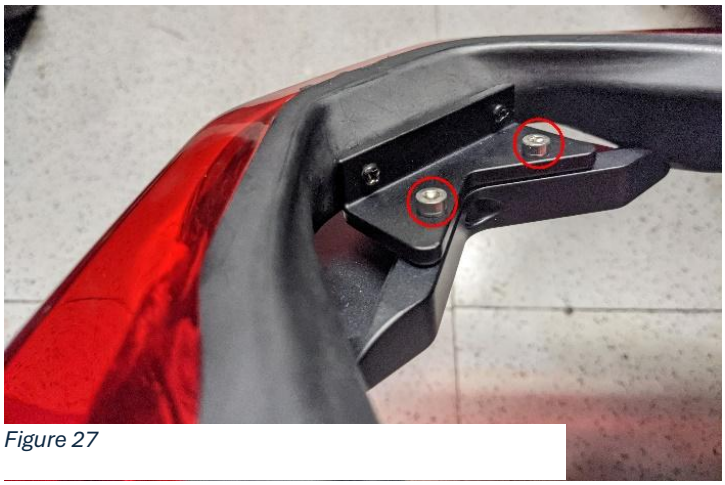


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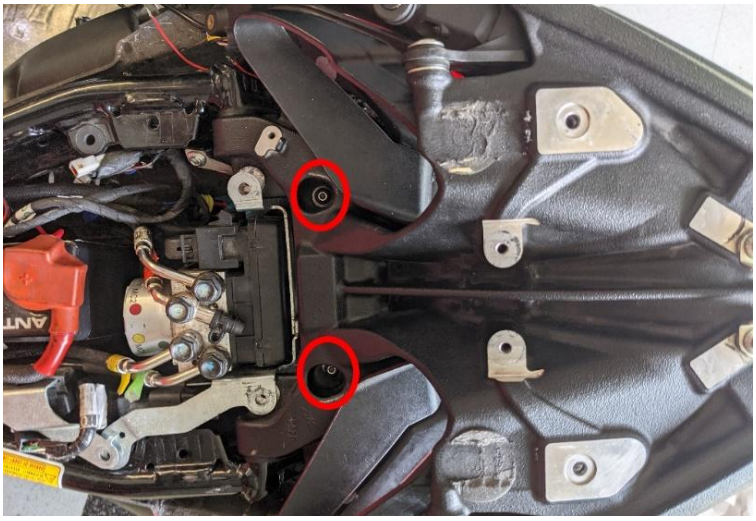


*Figure 28*



*Figure 29*




*Figure 30*

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Figure 31



Figure 32



Figure 33

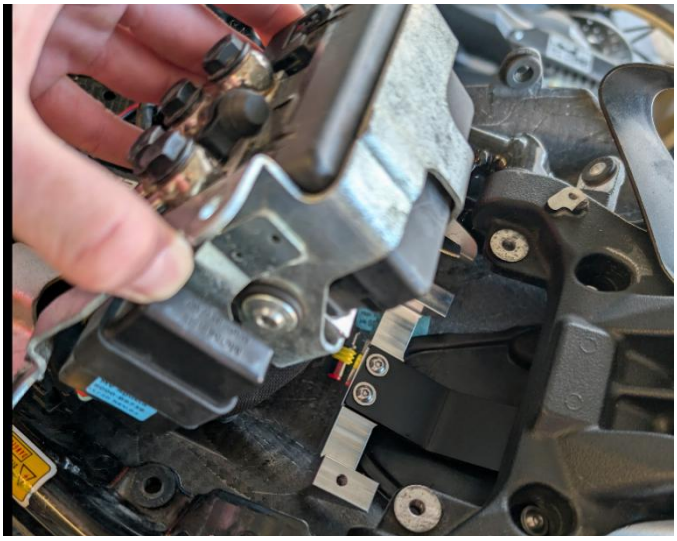


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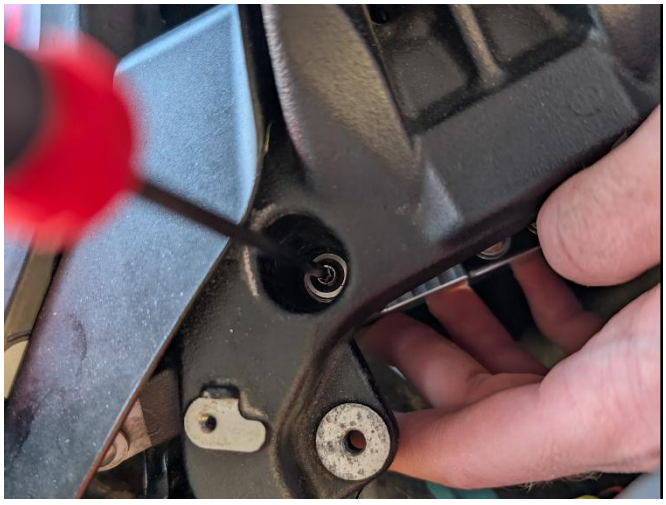


Figure 35

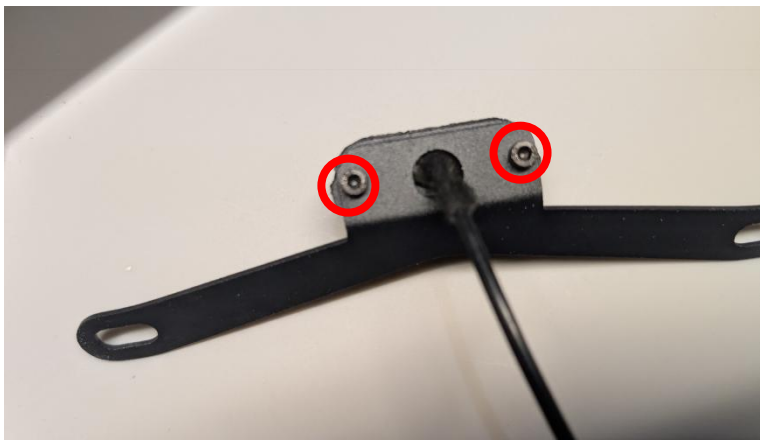


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*Figure 37*



*Figure 38*



*Figure 39*

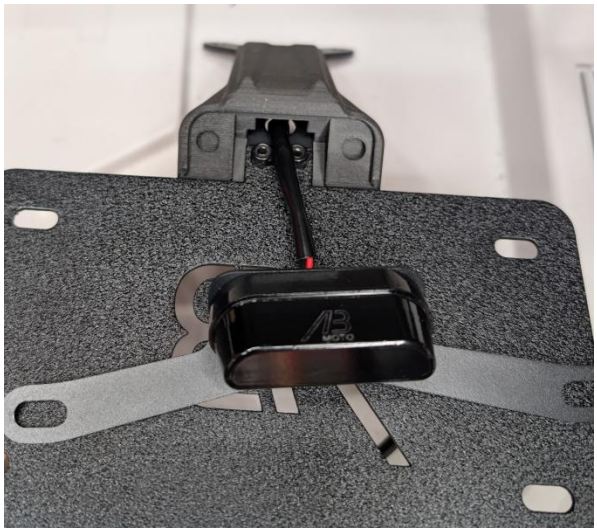


*Figure 40*



*Figure 41*

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*Figure 42*



*Figure 43*