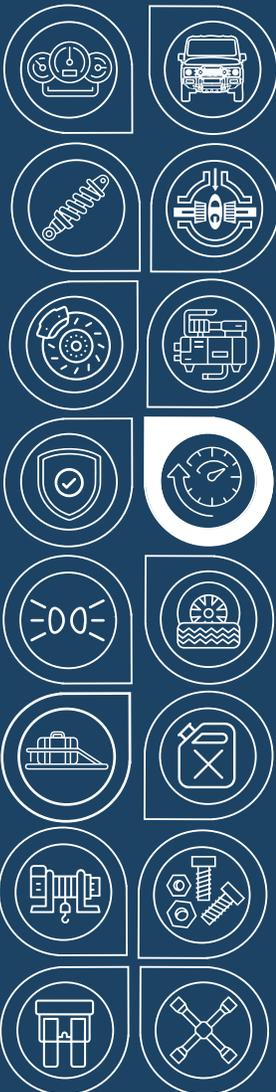




**AGILE
OFFROAD**
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INSTALLATION GUIDE

RatioSync™ Gear Ratio Correction Module Kit
for INEOS Grenadier by Agile Offroad

G20-1001X

INSTALLATION GUIDE

PROPER ENGINE PERFORMANCE AFTER GEAR CHANGES

RatioSync™ Gear Ratio Correction Module Kit
for INEOS Grenadier by Agile Offroad



The Gear Ratio Correction Module Kit is a purpose-built, plug-and-play solution for correcting vehicle behavior after changing differential gear ratios on the INEOS Grenadier. Required to maintain proper engine operation and drivability when upgrading to 4.56 or 4.88 gears.

SKU

G20-1001X

PARTS INCLUDED

1 x RatioSync Module

1 x RatioSync Harness

1 x Busbar

1 x Velcro Pad

TOOL NEEDED

T20 Torx Bit

T25 Torx Bit

T30 Torx Bit

10mm Socket

5/16" Drill Bit

Drill

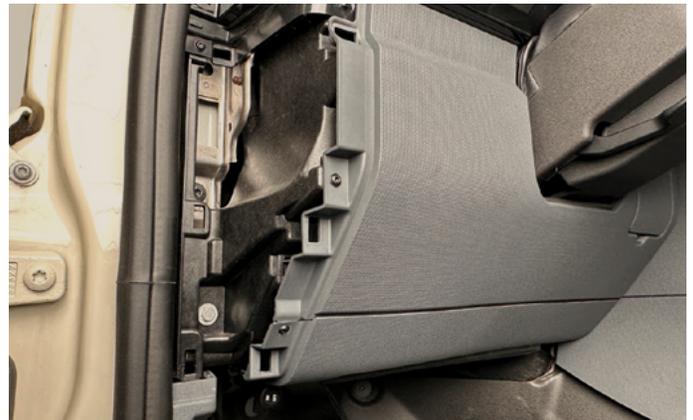
INSTALLATION TIME

1 Hour

INSTALLATION GUIDE



1. The RatioSync Gear Correction Module is designed to be installed behind the center dash panel using the Behind Dash Accessory Mount Plate Kit part # G18-1002.



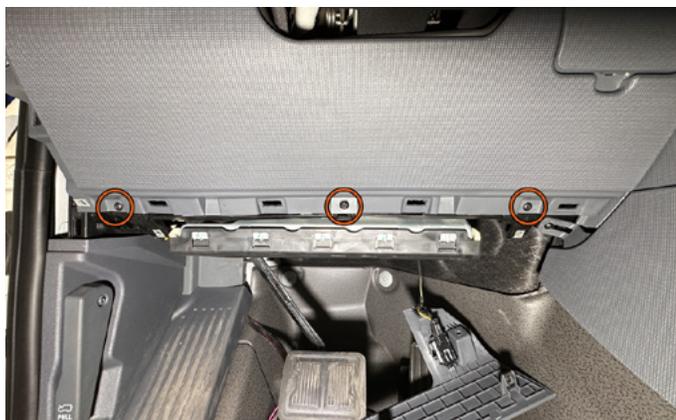
2. Remove the outer corner dash panel.



3. Use a T20 Torx bit to remove the two center panel screws.



4. Use a T20 Torx bit to remove the two lower panel screws. Remove panel.



5. Use a T20 Torx bit to remove the three center panel screws.



6. Completely remove center panel.

INSTALLATION GUIDE



7. Remove driver side door sill panel.



8. Use a 10mm socket to remove the kick panel screw.



9. Use a T25 to remove the hood latch lever.



10. Use a T25 to remove the center kick panel screw.

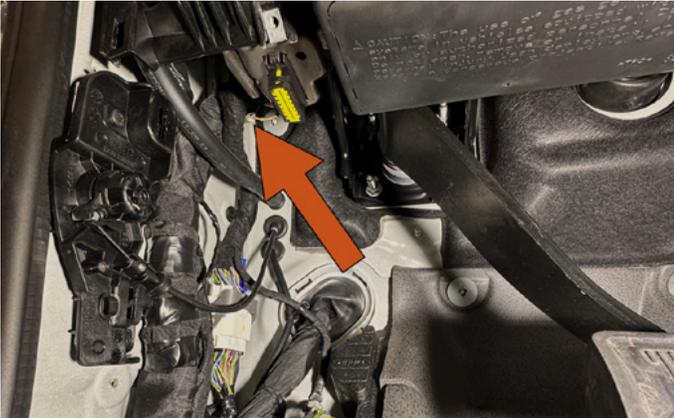


11. Remove kick panel, footrest panel and footrest foam.

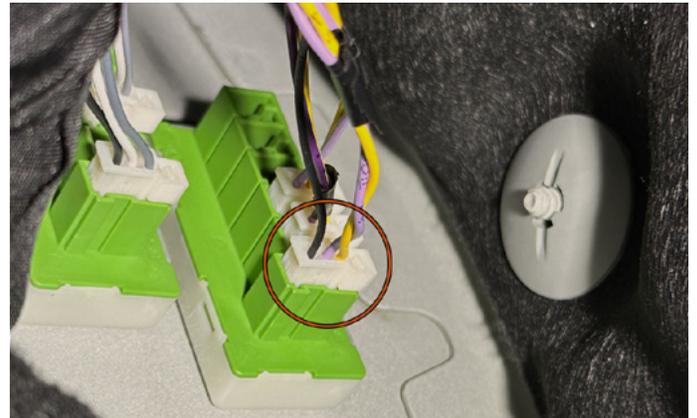


12. Use a 10mm socket to remove the three inner footrest panel nuts and a T25 to remove the two panel screws. Remove panel.

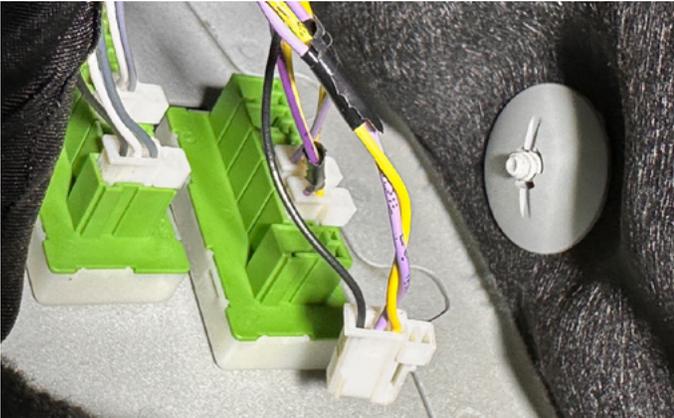
INSTALLATION GUIDE



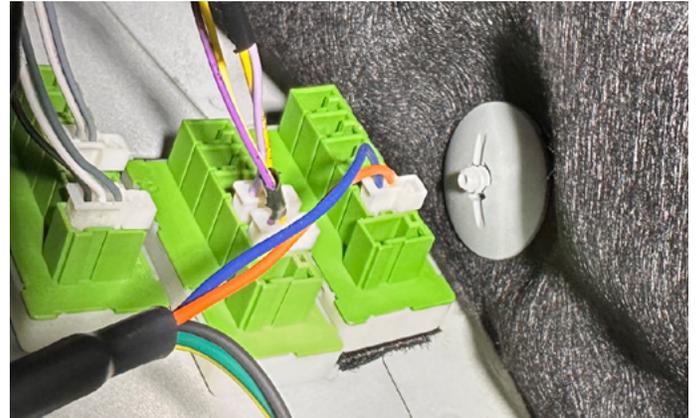
13. The transmission Busbar is located on the upper side wall behind the kick panel.



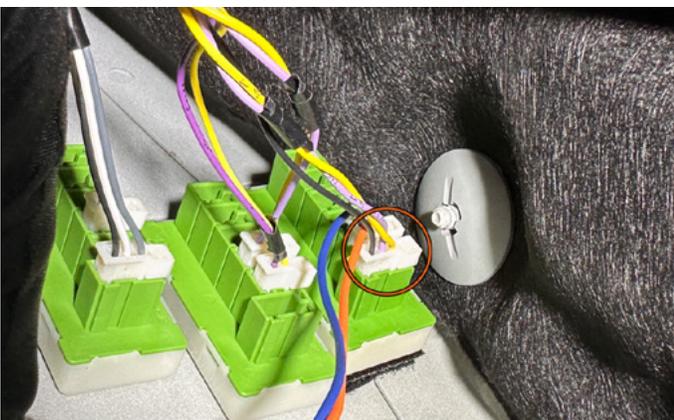
14. Locate the Busbar with black, violet, and yellow wires.



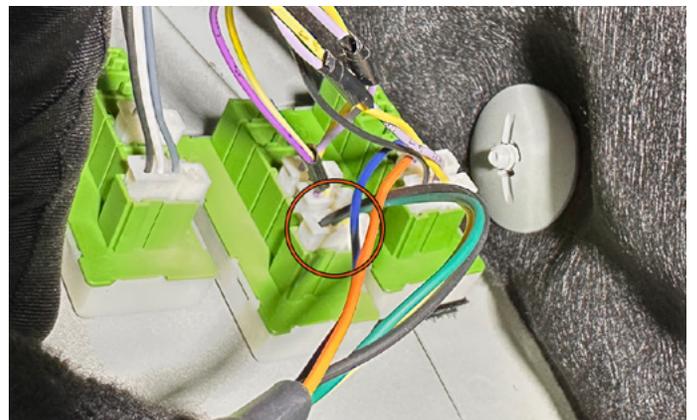
15. To remove connector, push in on the locking tab while pulling out on connector.



16. Use a piece of the supplied Velcro tape to attach the supplied Busbar next to the existing factory busbar.



17. Connect the previously removed connector with black, violet, and yellow wires onto the lower opening of the new Busbar.

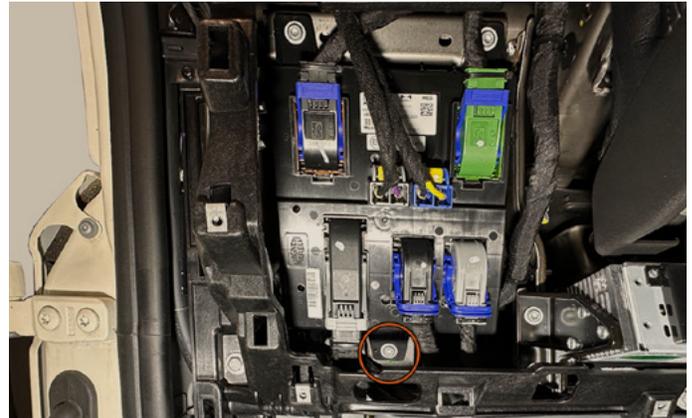


18. Connect the black, green, and yellow wire connector from the RatioSync Harness to the lower opening of the factory Busbar.

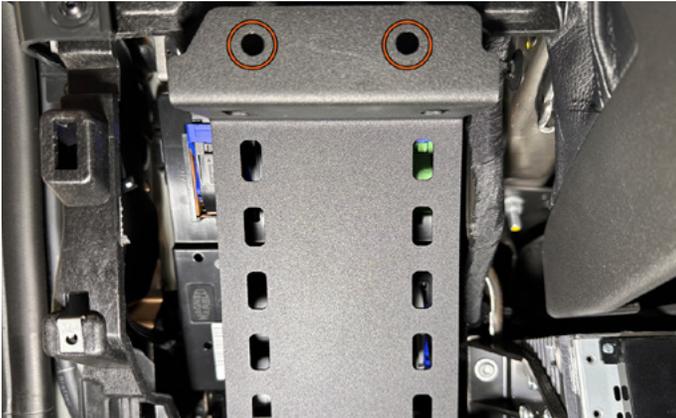
INSTALLATION GUIDE



19. Connect the RatioSync Harness ground wire to the factory ground post located at the firewall below the factory large wire harness boot.



20. The AO Dash Plate part # G18-1002 is designed to be installed over the factory control module located at the lower left side of the steering wheel. Use a T30 Torx bit to remove the single screw located at the bottom of the control module.



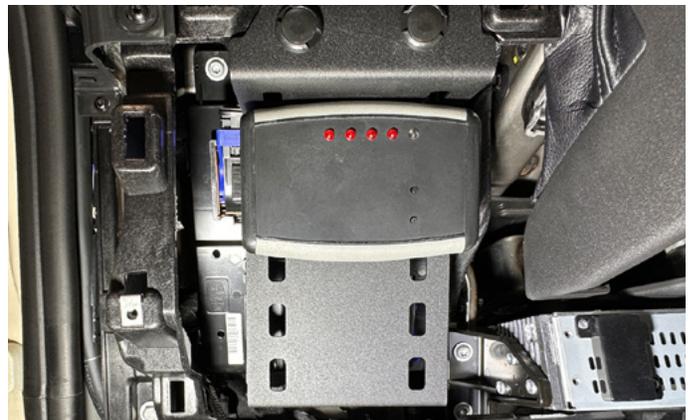
21. Install the AO Dash Plate over the control module using the supplied 6mm screw at the bottom of plate. Hand tighten screw only. Position the top of the bracket centered between the two dash panel mounting clip holes. Use a paint pen to mark the two holes at the top of the plate.



22. Remove Dash Plate. Use a 5/16" drill bit to drill two holes at the marked locations.

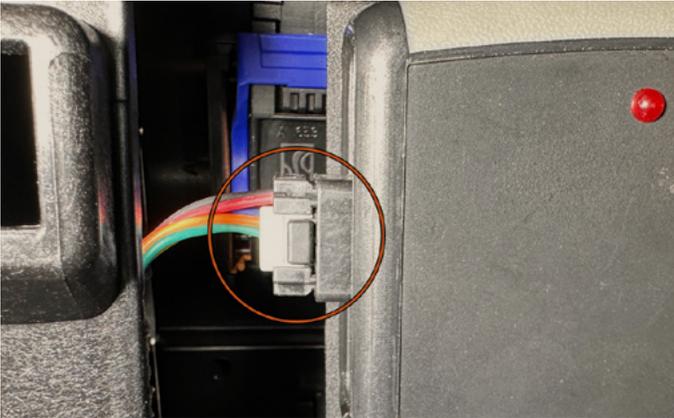


23. Install dash plate using the supplied 6mm bolt and the two panel clips.

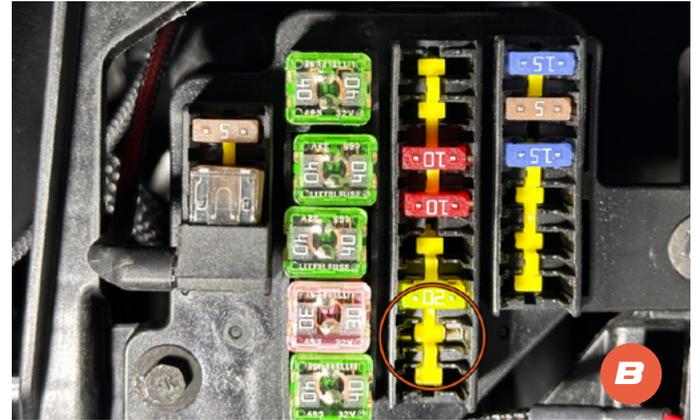
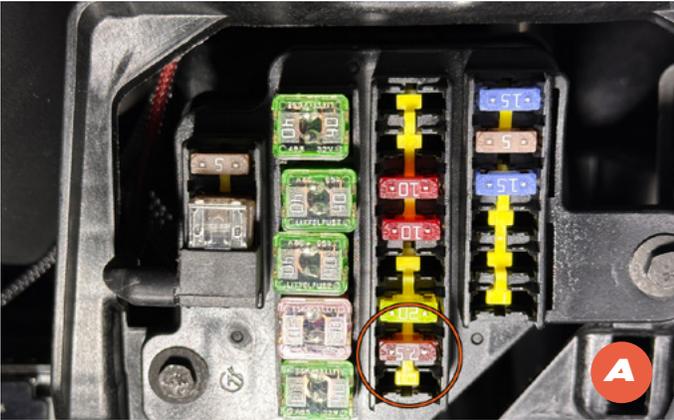


24. Use the supplied Velcro to attach the RatioSync Module to the Dash Plate

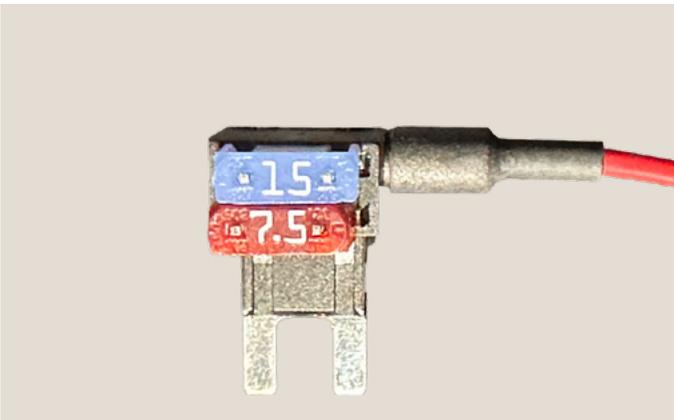
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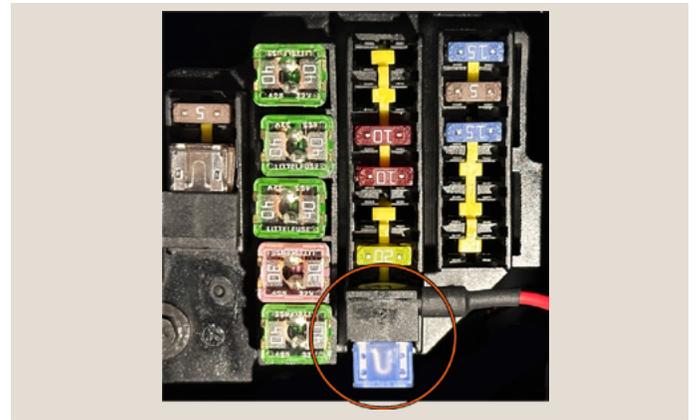
25. Connect the RatioSync Harness module plug into the RatioSync Module.



26 A/B. Locate and remove the 7.5-amp fuse from the fuse panel below the ignition switch as shown.



27. Install the removed 7.5-amp fuse to the RatioSync Harness power wire as shown.



28. Route the RatioSync Harness power wire to the fuse panel and connect the fuse holder into the open slot from step 26. Use the supplied wire ties to secure the RatioSync harness. Re-install kick-panel, footrest panels, and dash panels following steps 2-12.

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Exterior



Suspension



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Drivetrain



Steering &
Brakes



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Compressors



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Protection



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Tires



Storage &
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