2753 Michigan Road • Madison, Indiana 47250 • 855-743-3427

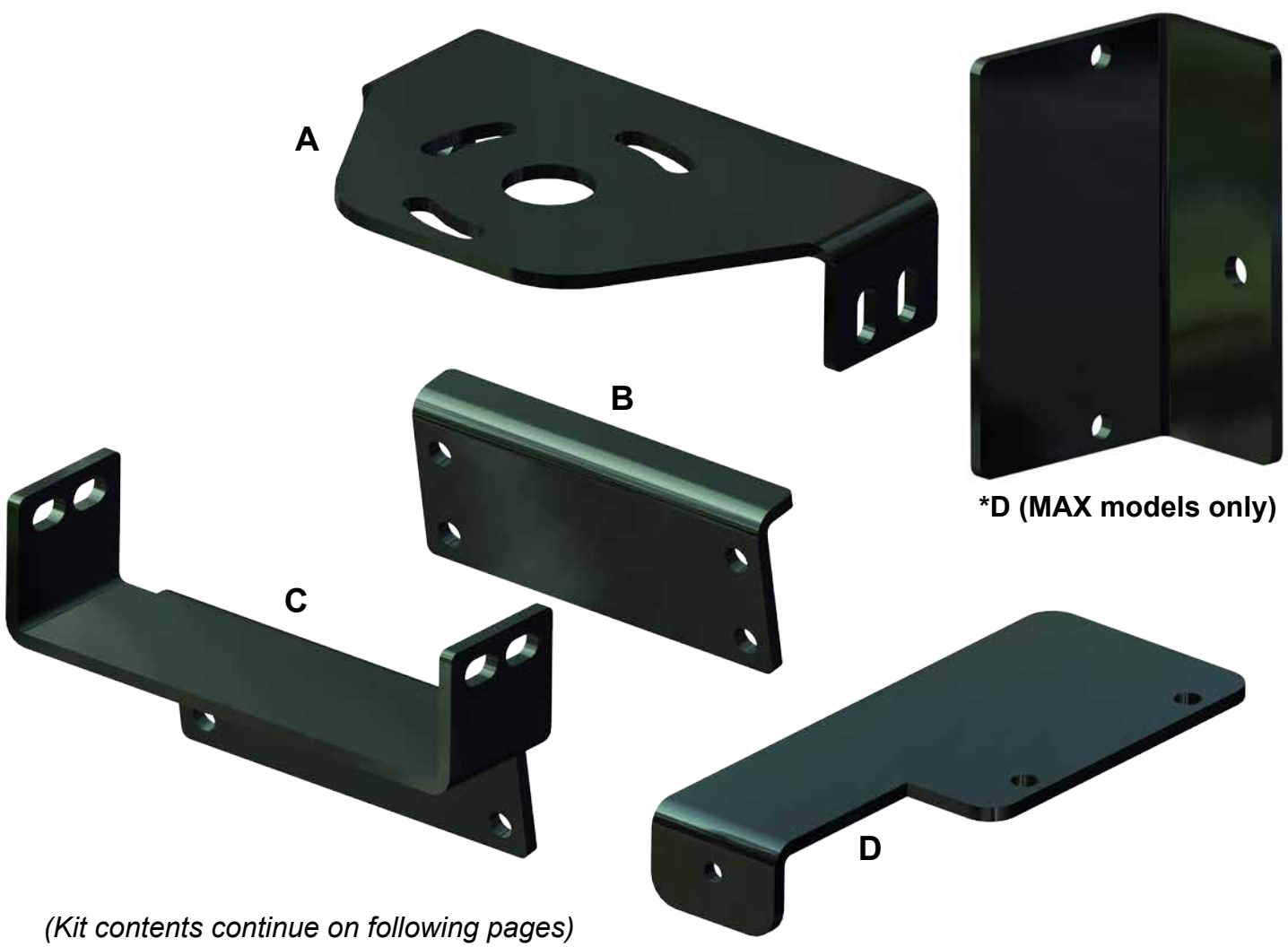
INSTALLATION INSTRUCTIONS

Power Steering Kit:

for Can-Am ATV' s

Item	Description	Qty
A	Motor Mount	1
B	Mounting Bracket Side Support	1

Item	Description	Qty
C	Mounting Bracket Support	1
D*	ECU Mount	1



*D (MAX models only)

(Kit contents continue on following pages)

For reference, photographing of removal process is highly recommended due to amount of components being removed from machine.

Need help with your installation?

sales@superatv.com

www.superatv.com

1-855-743-3427

8:00am - 9:00pm EST M-Th
8:00am - 7:00pm EST Friday
9:00am - 2:00pm EST Saturday

Read instructions and view illustrations before beginning.

Thank You For Choosing

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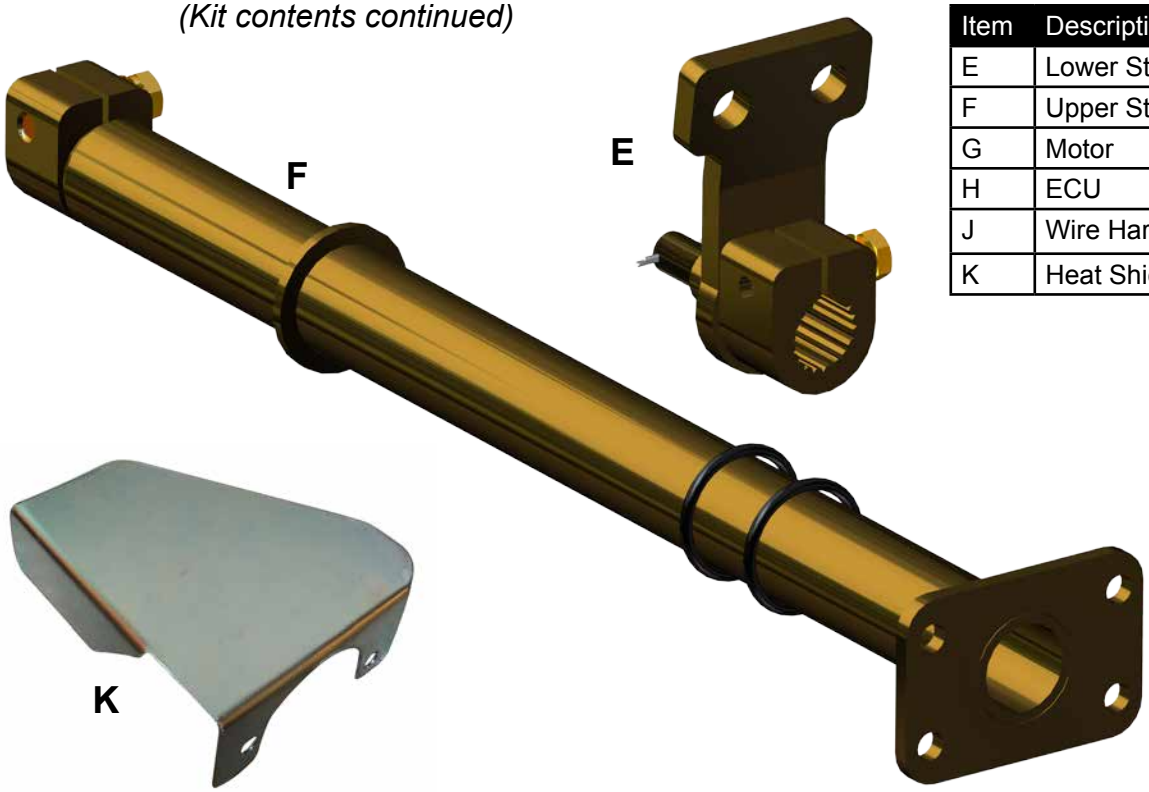
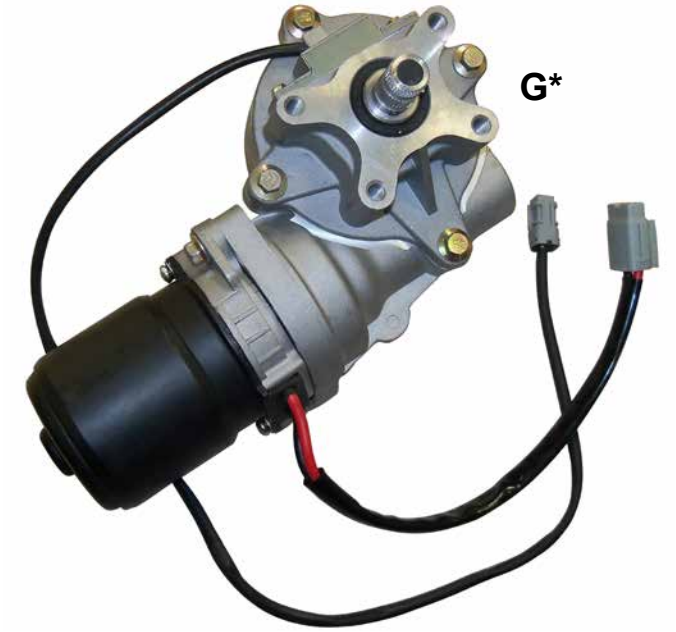
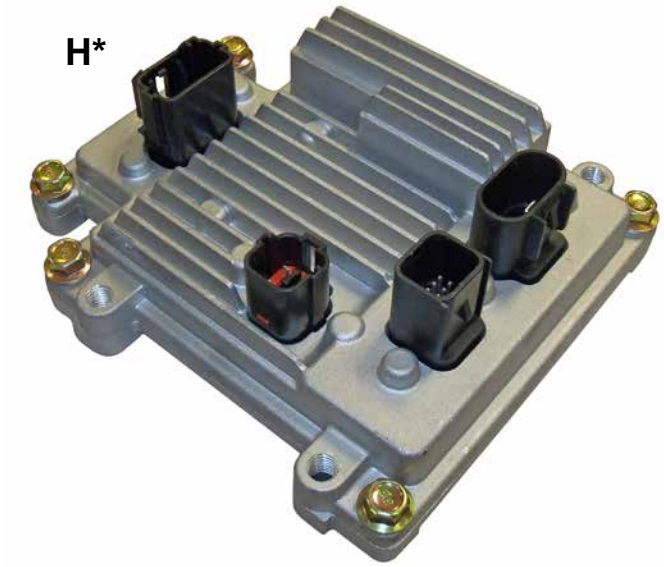
Rev IN-PS-CA-GEN1-380 9/18/2014

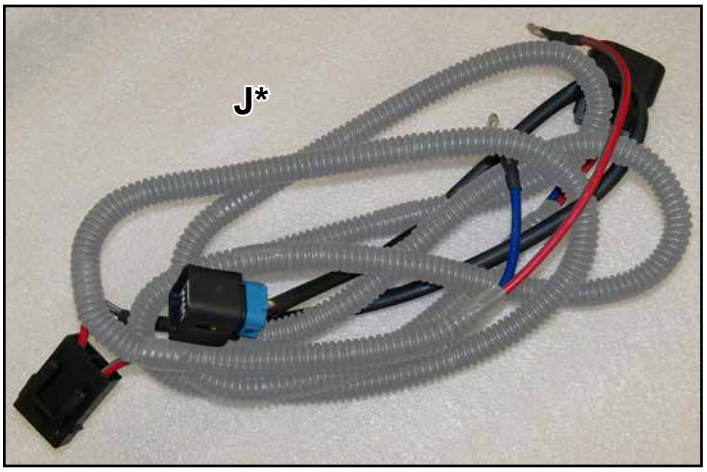
(Kit contents continued)

Item	Description	Qty
E	Lower Steering Shaft	1
F	Upper Steering Shaft	1
G	Motor	1
H	ECU	1
J	Wire Harness	1
K	Heat Shield	1





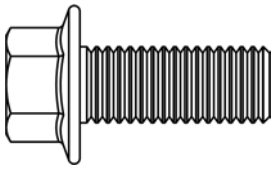




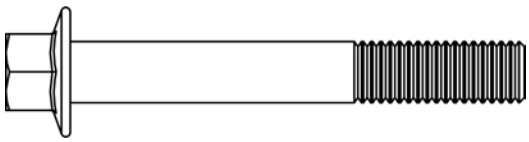
*Connections

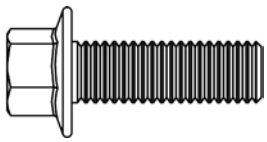
- Before installing, ensure that all Gaskets in electrical connections are properly seated.
- If Gaskets are not seated use a Flathead Screwdriver to seat.

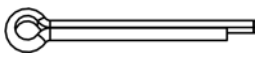
(Kit contents continued)

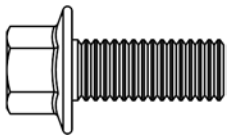
Qty (3)  **M10 x 25mm Lg. FHCS**

Qty (8)  **M8 Nylock Nut**

Qty (4)  **M8 x 60mm Lg. FHCS**

Qty (4)  **M8 x 25mm Lg. FHCS**

 **Cotter Pin**

Qty (8)  **M8 x 20mm Lg. FHCS**

(extra hardware may be present after installation; discard)

Power Steering will provide multiple improvements to your machine. After installation, it is highly recommend to take time and learn your machines new handling characteristics and feel.

Key Recommendations:

1. Power Steering Benefits will be noticed as soon as machine is moving.
2. Handlebar will have more noticeable deflection while at rest. As a result of speed sensitive operation, this is normal.
3. Check steering sensitivity at multiple speeds to best understand new handling characteristics and feel.
4. Without Throttle input, turning Handlebar back and forth unnecessarily is not recommended. This action is very hard on remaining stock steering components, Tie Rod Ends, and Power Steering unit.

Like all SuperATV products, Power Steering kits were designed with riders in mind.

Liability Statement

SuperATV's® products are designed to best fit user's ATV/UTV under stock conditions. Adding, modifying, or fabricating any factory or aftermarket parts will void any warranty provided by SuperATV® and is not recommended. SuperATV's® products could interfere with other aftermarket accessories. If user has aftermarket products on machine, contact SuperATV® to verify that they will work together.

Although SuperATV® has thousands of satisfied customers, user should be aware that installing lift kits, long travel, or suspension kits, tires, etc. will change the ride of machine and may increase maintenance and part wear. Operating any off-road machine while, or after, consuming alcohol and/or drugs increases risk of bodily harm or death. No warranty or representation is made as to this product's ability to protect user from severe injury or death. SuperATV® urges operators and occupants to wear a helmet and appropriate riding gear at all times.

By purchasing and installing SuperATV® products, user agrees that should damages occur, SuperATV® will not be held responsible for loss of time, use, labor fees, replacement parts, or freight charges. SuperATV®, nor any 3rd party, will not be held responsible for any direct, indirect, incidental, special, or consequential damages that result from any product purchased from SuperATV®. The total liability of seller to user for all damages, losses, and causes of action, if any, shall not exceed the total purchase price paid for the product that gave rise to the claim.

SuperATV® will warranty only parts provided by SuperATV®. Any damage or problems with OEM housings, bearings, seals, or other manufacturers' products will not be covered by SuperATV®. SuperATV® parts and products are not warrantied if item was not installed properly, misused, or modified.

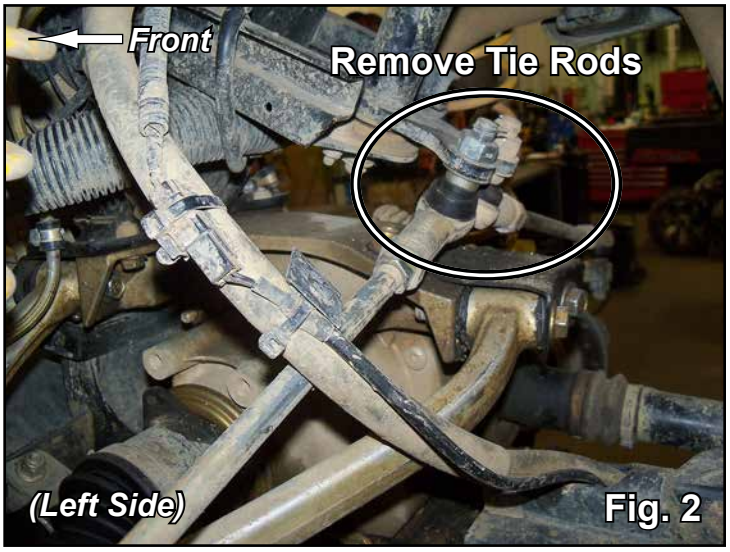
Installing, adding, modifying, or fabricating any factory or aftermarket product to your ATV/UTV may violate certain local, state, and federal laws. Be advised that laws vary depending on town, city, county, state, etc. Use of certain products on public streets, roads, or highways may be in violation law. The Buyer is solely and exclusively legally and personally responsible for any violation of the law by the installation or use of the product. You must abide by all local, state, and federal laws, including but not limited to vehicle safety, traffic laws, and ordinances. It is your responsibility to know the laws and how they apply to you.

The Buyer is responsible to fully understand the capability and limitations of his/her vehicle according to manufacturer specifications, warnings and instructions and agrees to hold SuperATV® harmless from any damage resulting from failure to adhere to such specifications, warnings and/ or instructions. The Buyer is also responsible to obey all applicable federal, state, and local laws and ordinances when operating his/her vehicle while using this product, and the Buyer agrees to hold SuperATV® harmless from any violation thereof.

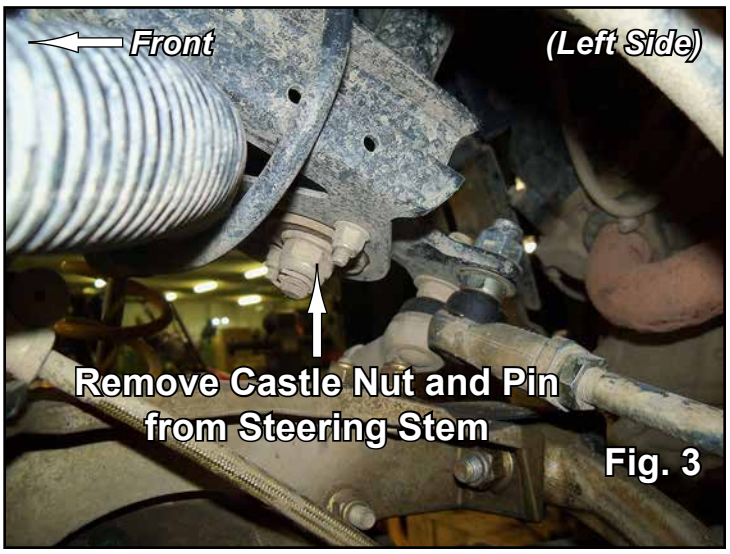
Removal: *Keep all components removed from machine.*

1. Raise front of machine, secure with jack stands, and remove Wheels.
2. Remove Inner Fenders and Intake. See Figs. 1 - 1a.
3. Remove Tie Rods from Steering Stem. See Fig. 3.
4. Remove Castle Nut and Cotter Pin from Steering Stem. See Fig. 3.
5 Remove hardware from Steering Stem as shown in Fig. 4.
6. If necessary, unplug wiring harness' and move wiring aside as shown in Fig. 5. Remove Control Module. See Fig. 5a.
7. Remove Module Support. See Fig. 6.
   - (2) Bolts securing Module Support also secure Steering Stem to Frame. See Fig. 7.
8. From top of ATV, remove Steering Stem. Discard stock O-Rings. See Figs. 8 - 8a.



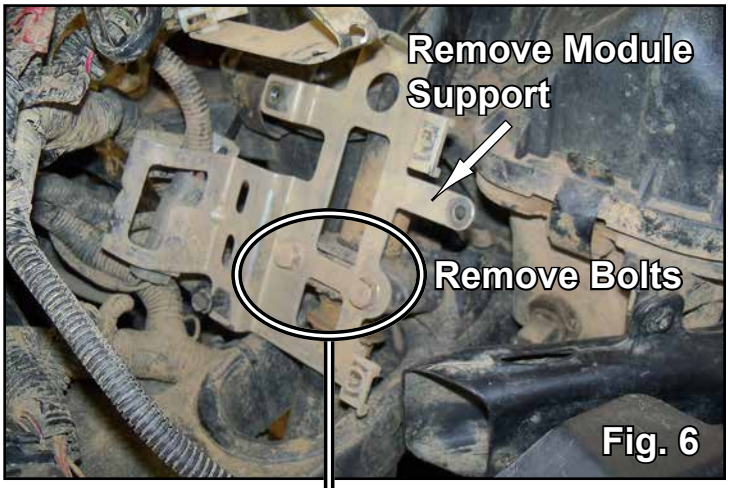






(removal illustrations continue on following pages)


Fig. 4
Remove From Steering Stem
Steering Stem


Remove Module Support
Remove Bolts
Fig. 6

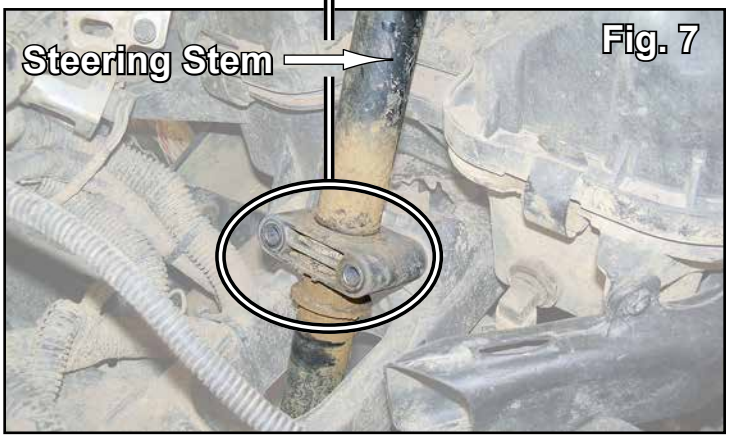
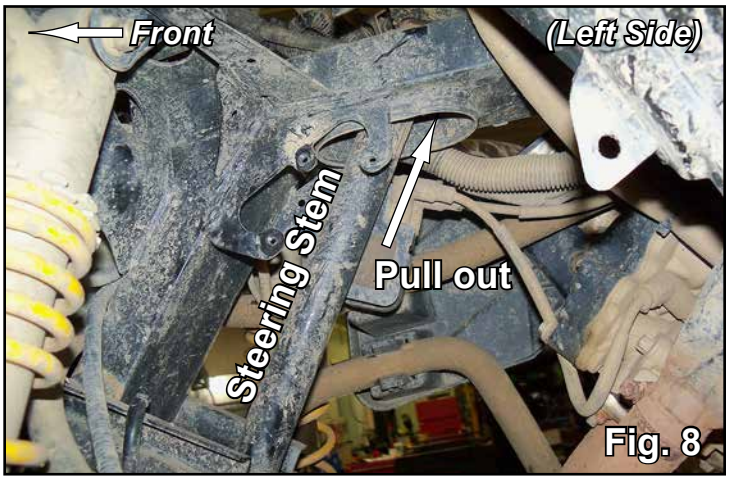
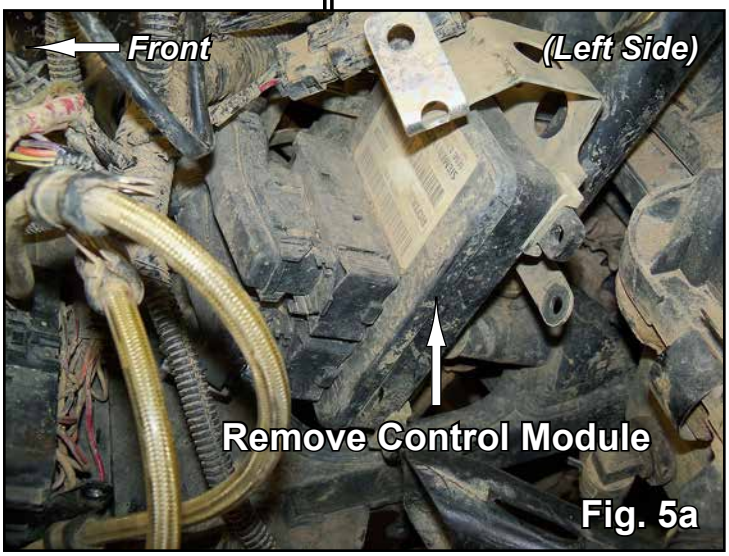
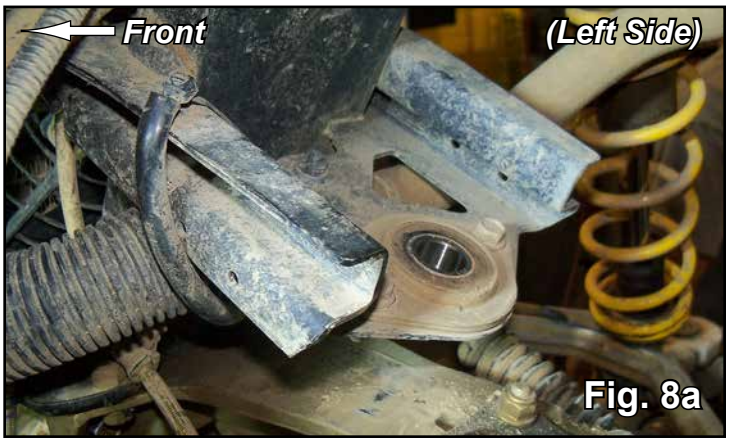

Steering Stem
Fig. 7


Fig. 5


Front
(Left Side)
Steering Stem
Pull out
Fig. 8


Front
(Left Side)
Remove Control Module
Fig. 5a


Front
(Left Side)
Fig. 8a

Installation: *Do not tighten hardware completely unless noted.*

1. Install Motor Mount (A) to Motor (G) with M10 x 25mm Lg. FHCS. See Motor Shafts Detail and Fig. 1.
2. Install Lower Steering Shaft (E) to machine. Secure with stock Castle Nut and Cotter Pin. See Figs. 2 - 2a.
3. Install Mounting Bracket Side Support (B) and Mounting Bracket Support (C) around Frame and secure with M8 x 60mm Lg. FHCS and M8 Nylock Nuts. See Figs. 3 - 3a. *Note: Radiator Hose will go under Mounting Brackets.*
4. Install stock Upper Column Attachments to Upper Steering Shaft (F). See Figs. 4 - 4a.
5. Install Motor (G) to Lower Steering Shaft (E) with provided hardware. See Figs. 5 - 5a.

- Secure Motor Mount (A) to Mounting Bracket Support (C) with M8 x 25mm Lg. FHCS and M8 Nylock Nuts. See Figs. 5 - 5a.
- Reconnect Tie Rods to Lower Steering Shaft (E) with stock hardware. See Fig. 5a.

6. From top of machine insert Upper Shaft (F) and secure to Motor (G) with provided hardware. See Fig. 5a.

- Secure Module Support, Column Attachment, and Upper Steering Shaft (F) to Frame with stock hardware. See Figs. 6 - 6a.

7. Remove Nuts from Exhaust Flange, install Heat Shield (K), and replace Nuts. See Fig. 7.

- Go to Page 12 for ECU Mounting on MAX models only -

8. Assemble ECU (H) to ECU Mount (D) with M8 x 20mm Lg. FHCS. See Fig. 8a.
9. On Right Side, near where Gear Selector connects to Engine, remove hardware securing Fuel Tank and Protector to Frame. See Figs. 8 - 8a.
10. Install ECU Mount (D) and secure with stock hardware removed in Step 9. See Fig. 8a.
11. Plug in Wiring Harness (J) and make connections. See Wiring Details, pages 13 - 15.
12. Tighten all hardware completely and reverse applicable steps taken during “Removal”.

Handlebar and Tie Rods to be inline before tightening hardware. Remove Upper Shaft (E) from Motor (G) and realign if necessary.

Motor Shafts Detail

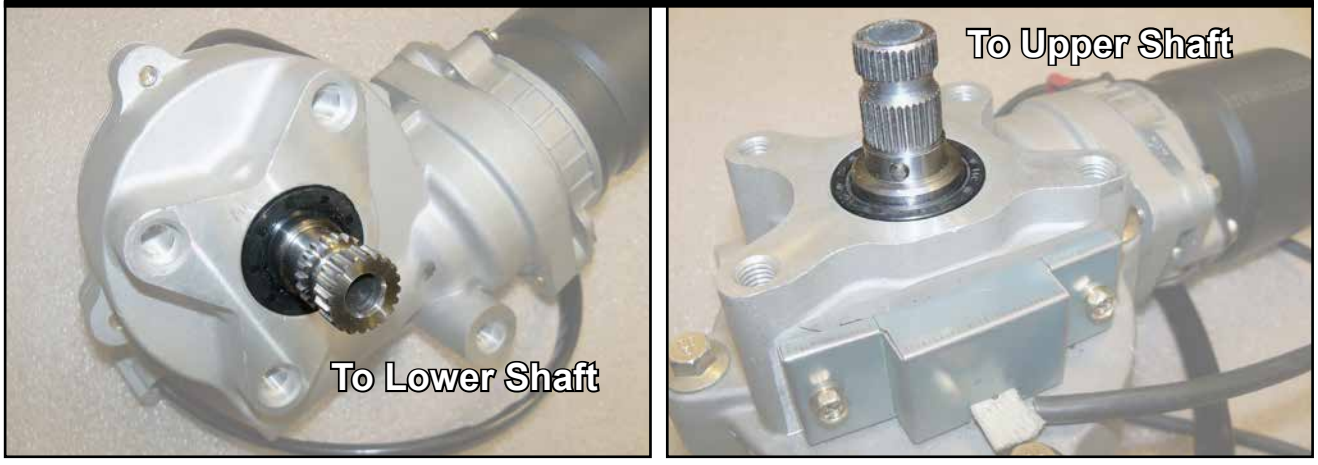
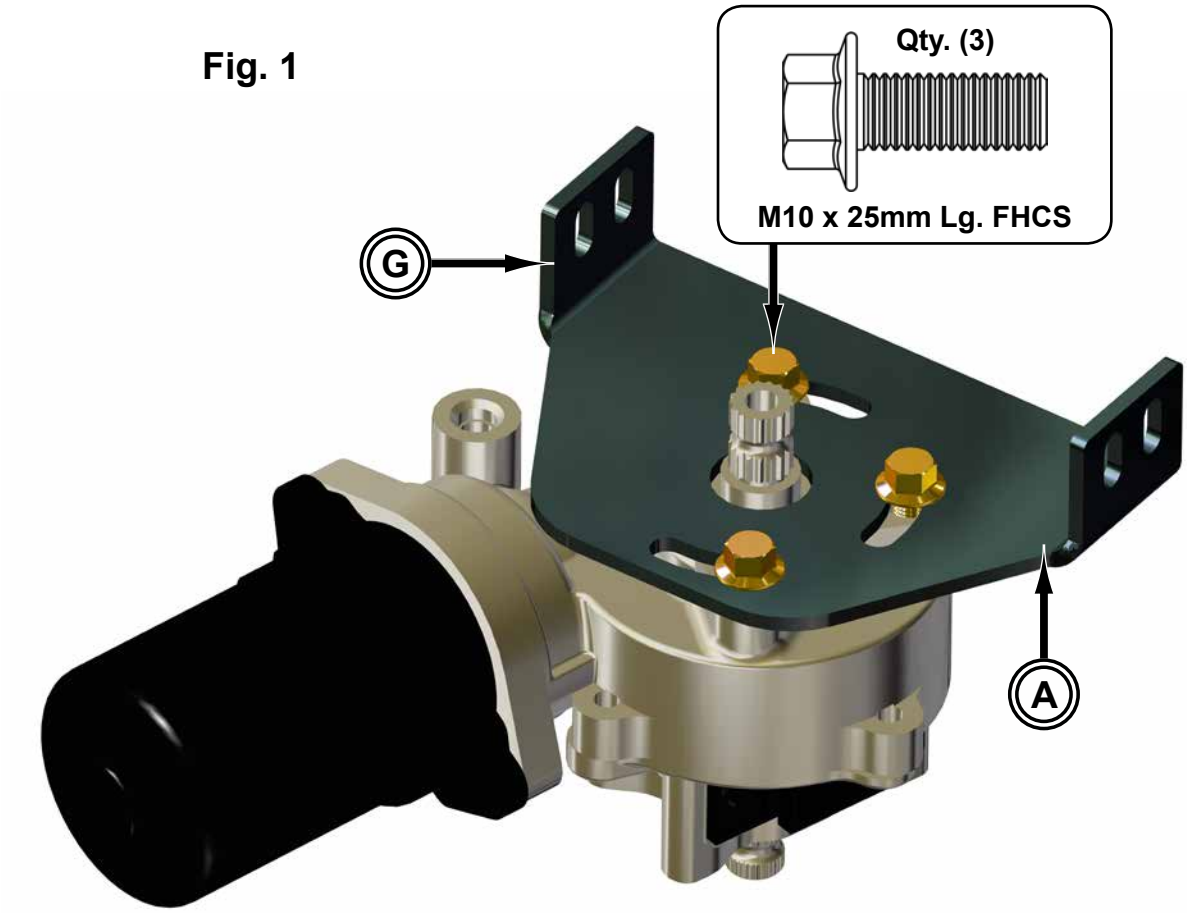
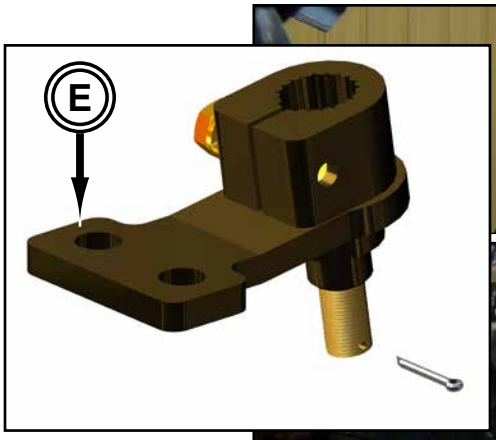
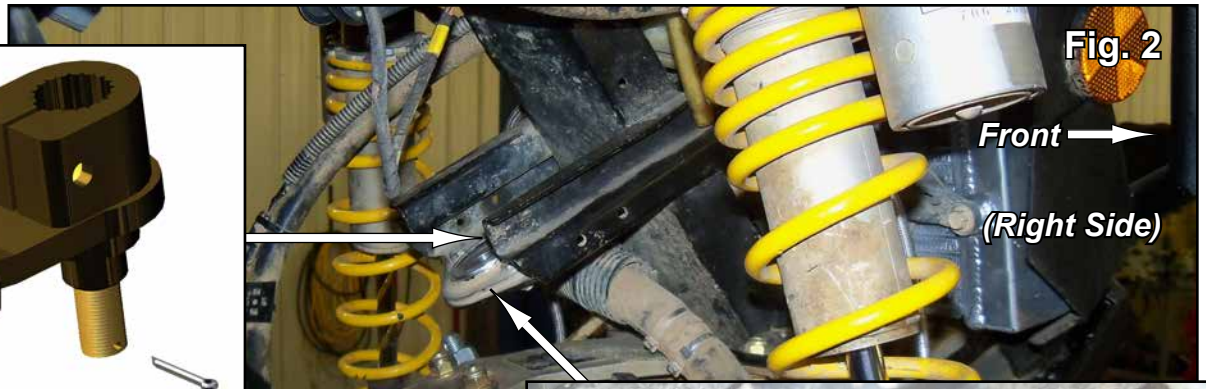
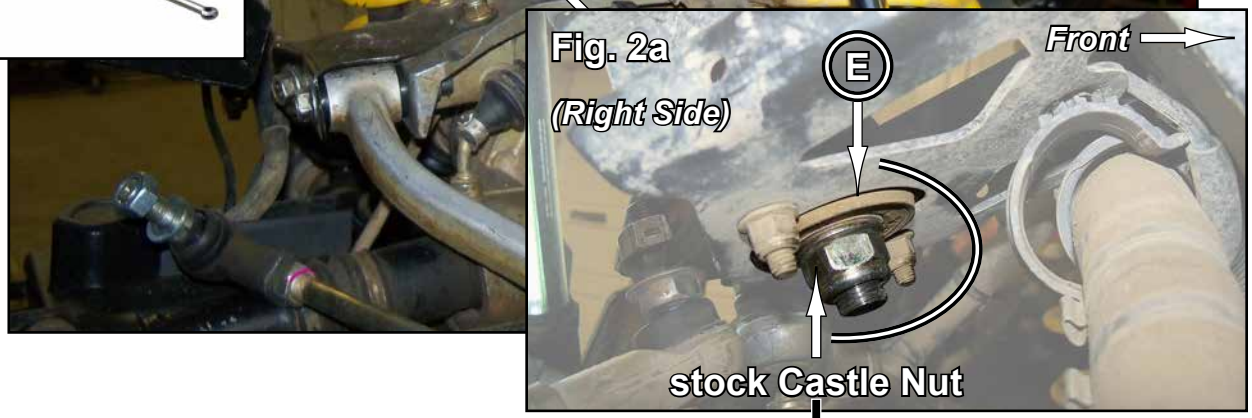


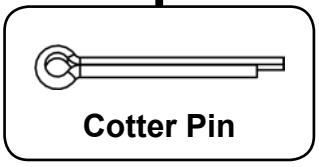
Fig. 1





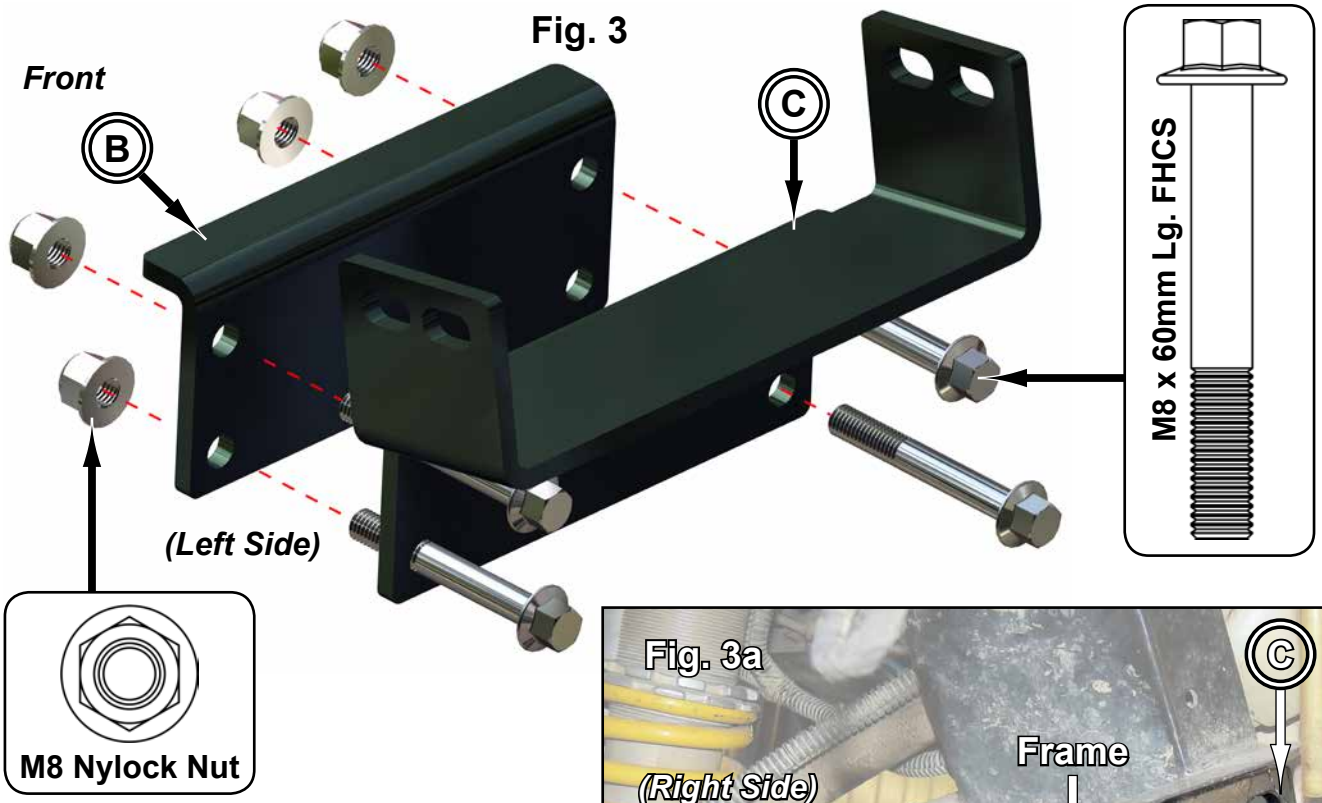






(installation illustrations continue on following pages)

Fig. 3


Front
B
C
M8 x 60mm Lg. FHCS
(Left Side)
M8 Nylock Nut

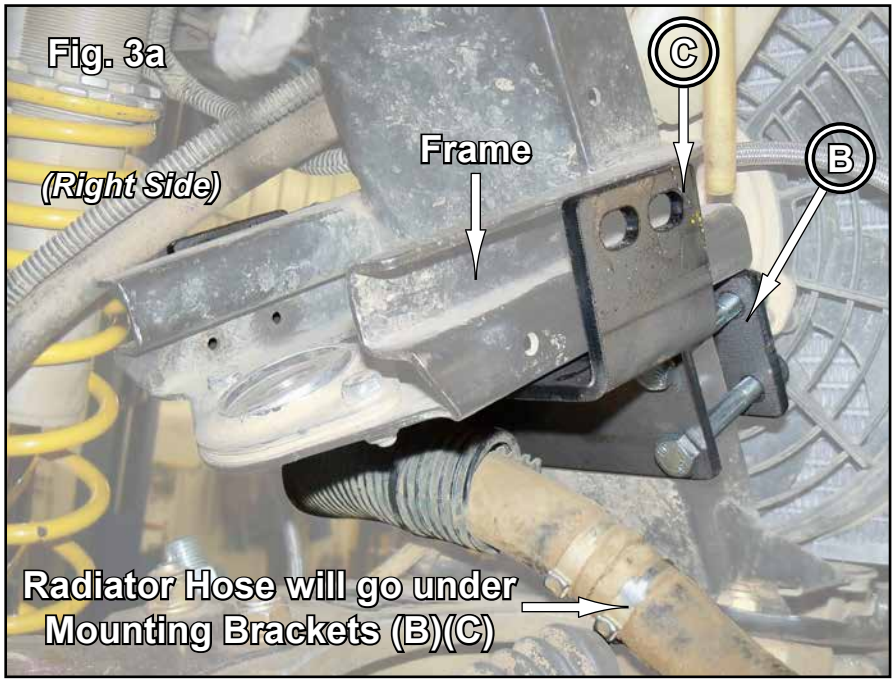
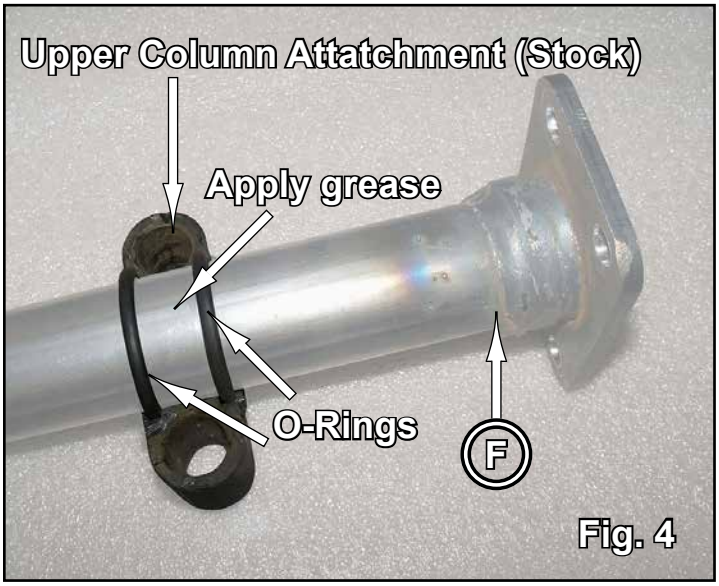


Fig. 3a
C
Frame
B
(Right Side)
Radiator Hose will go under
Mounting Brackets (B)(C)


Upper Column Attatchment (Stock)
Apply grease
O-Rings
F
Fig. 4

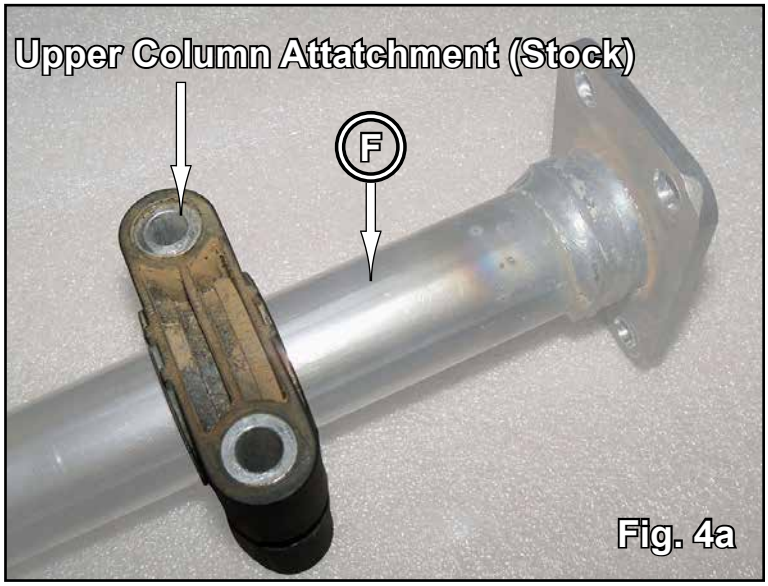
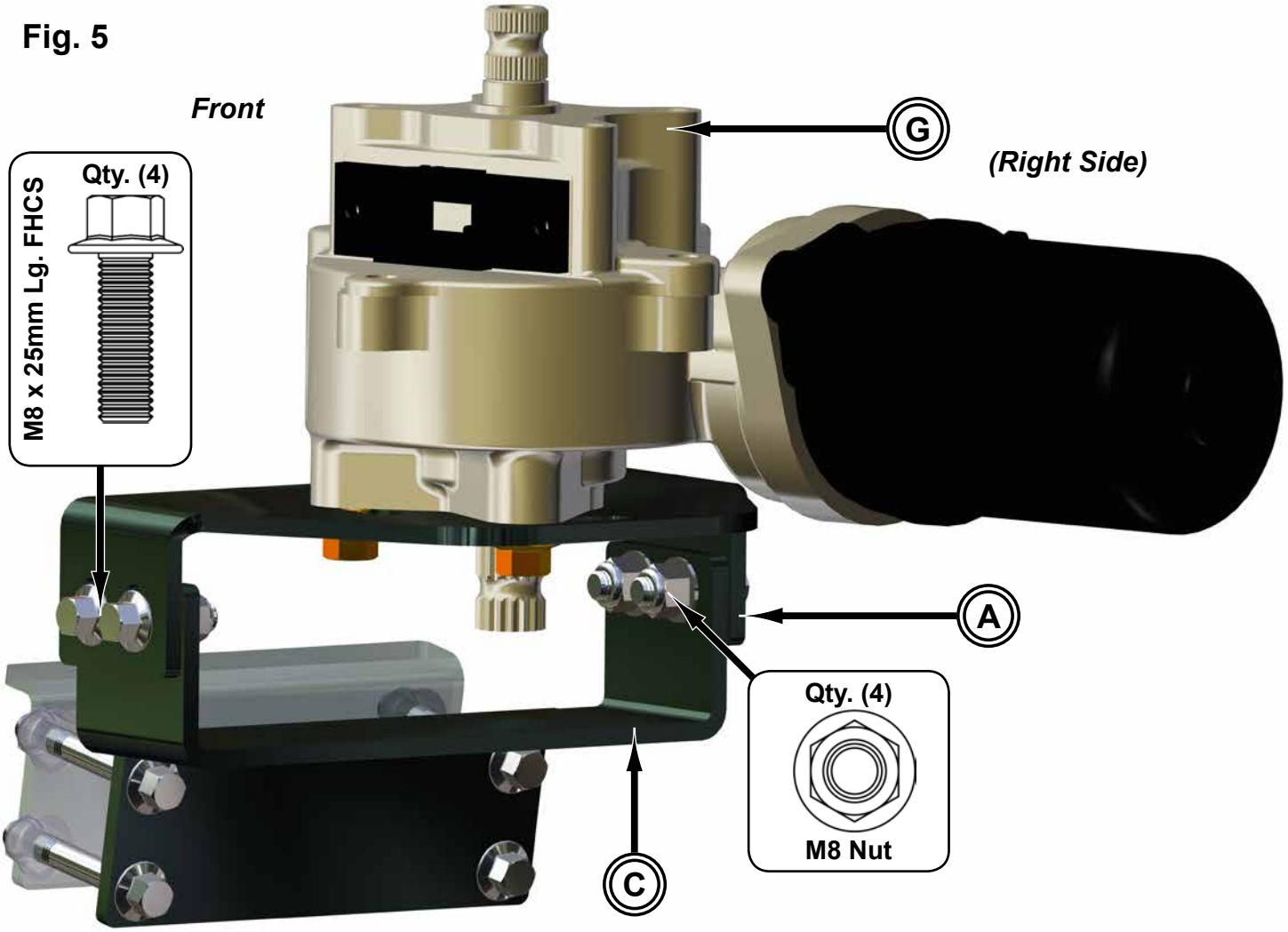

Upper Column Attatchment (Stock)
F
Fig. 4a

Fig. 5


Front
G
(Right Side)
Qty. (4)
M8 x 25mm Lg. FHCS
A
Qty. (4)
M8 Nut
C

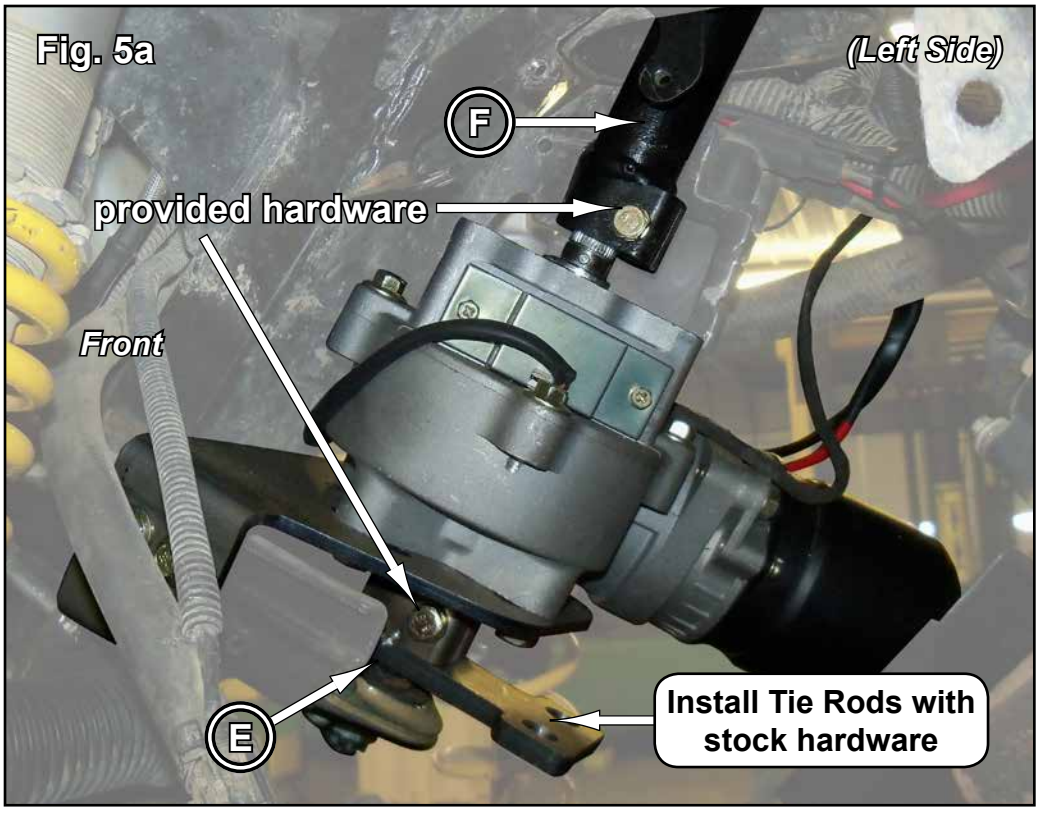
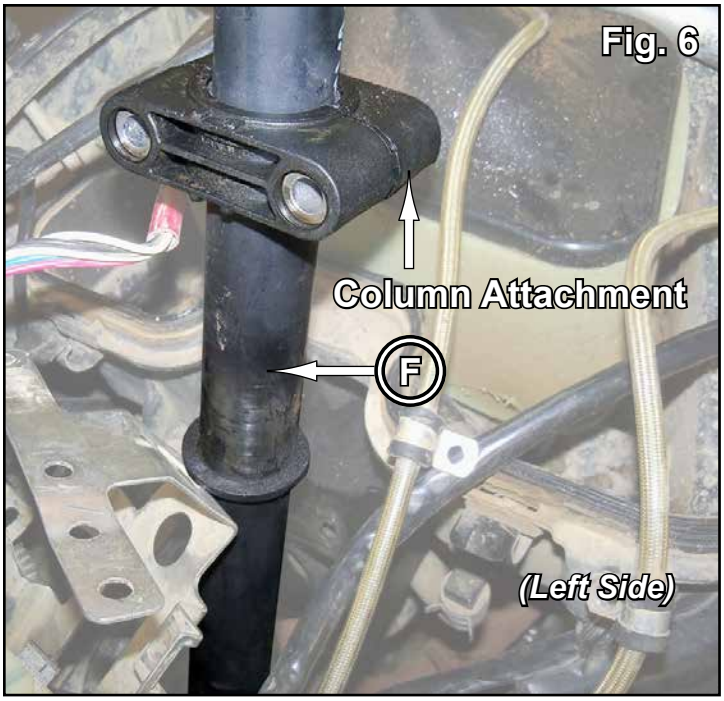
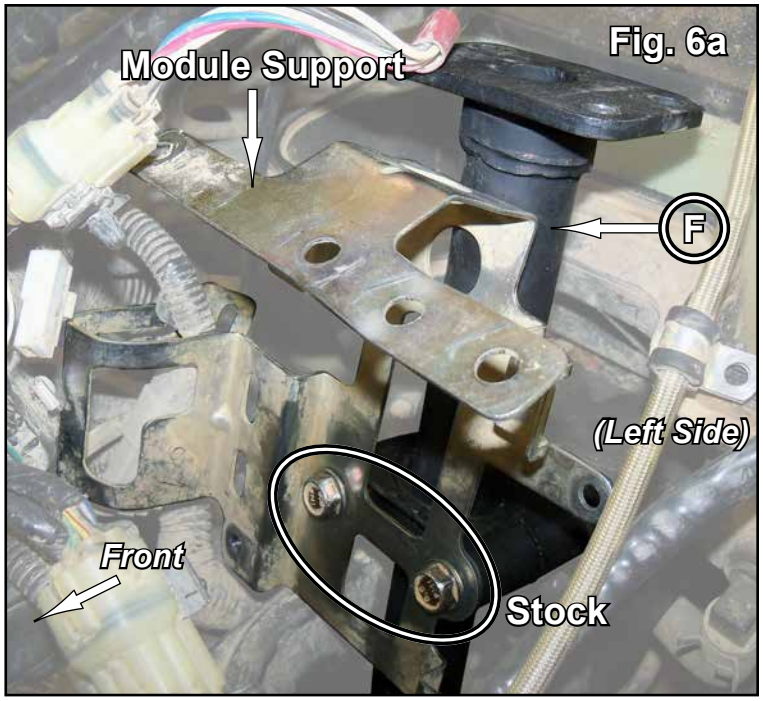
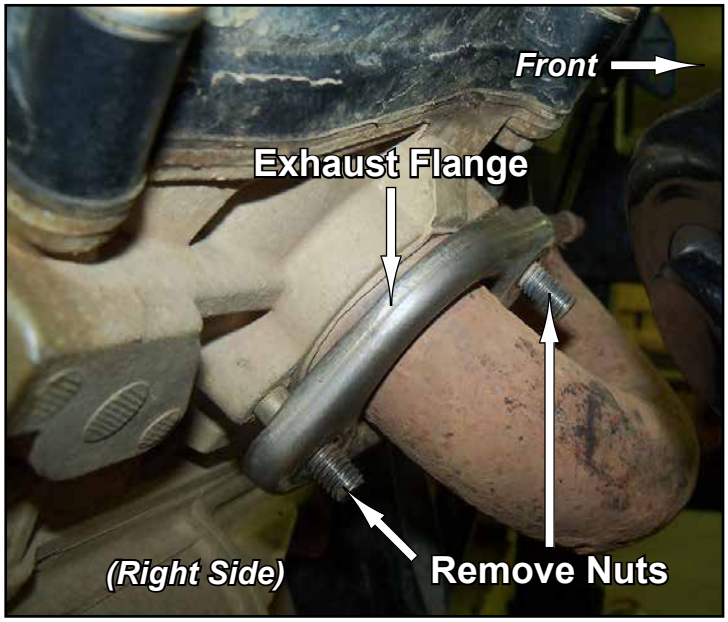


Fig. 5a
(Left Side)
F
provided hardware
Front
E
Install Tie Rods with stock hardware







Heat Shield (K), Fig. 7



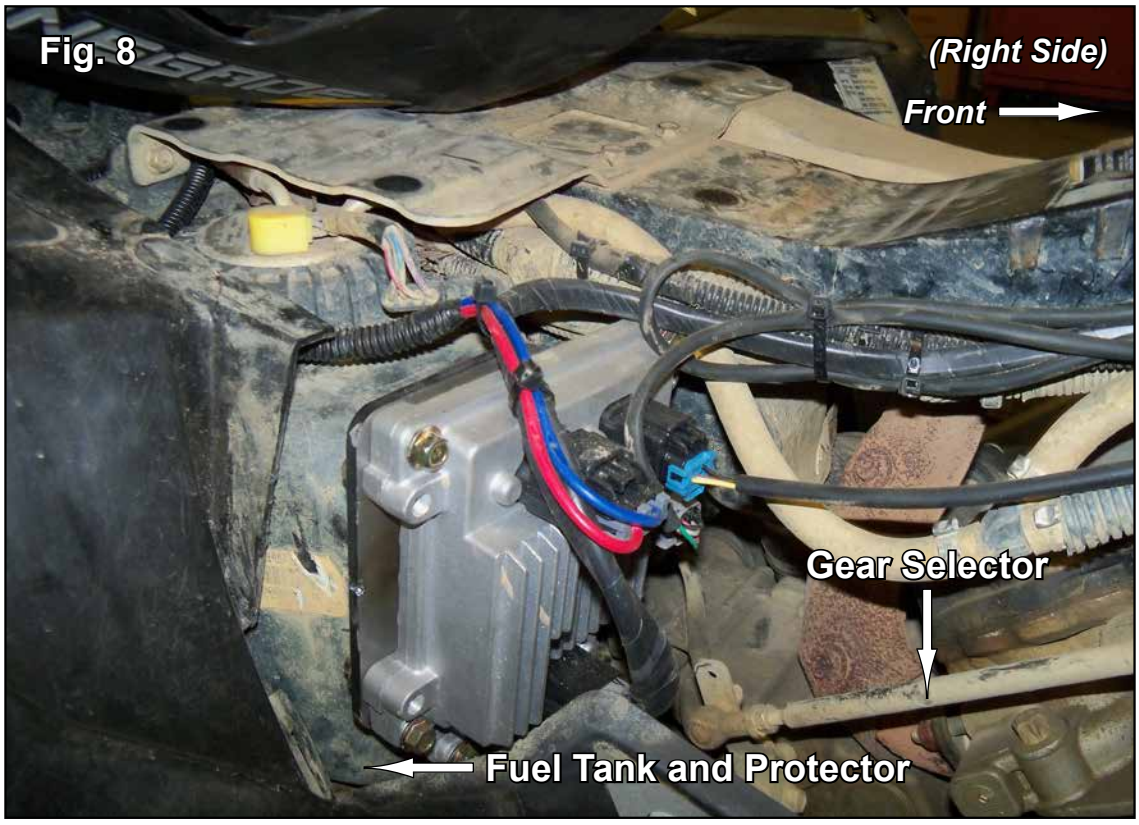


Fig. 8
(Right Side)
Front
Gear Selector
Fuel Tank and Protector

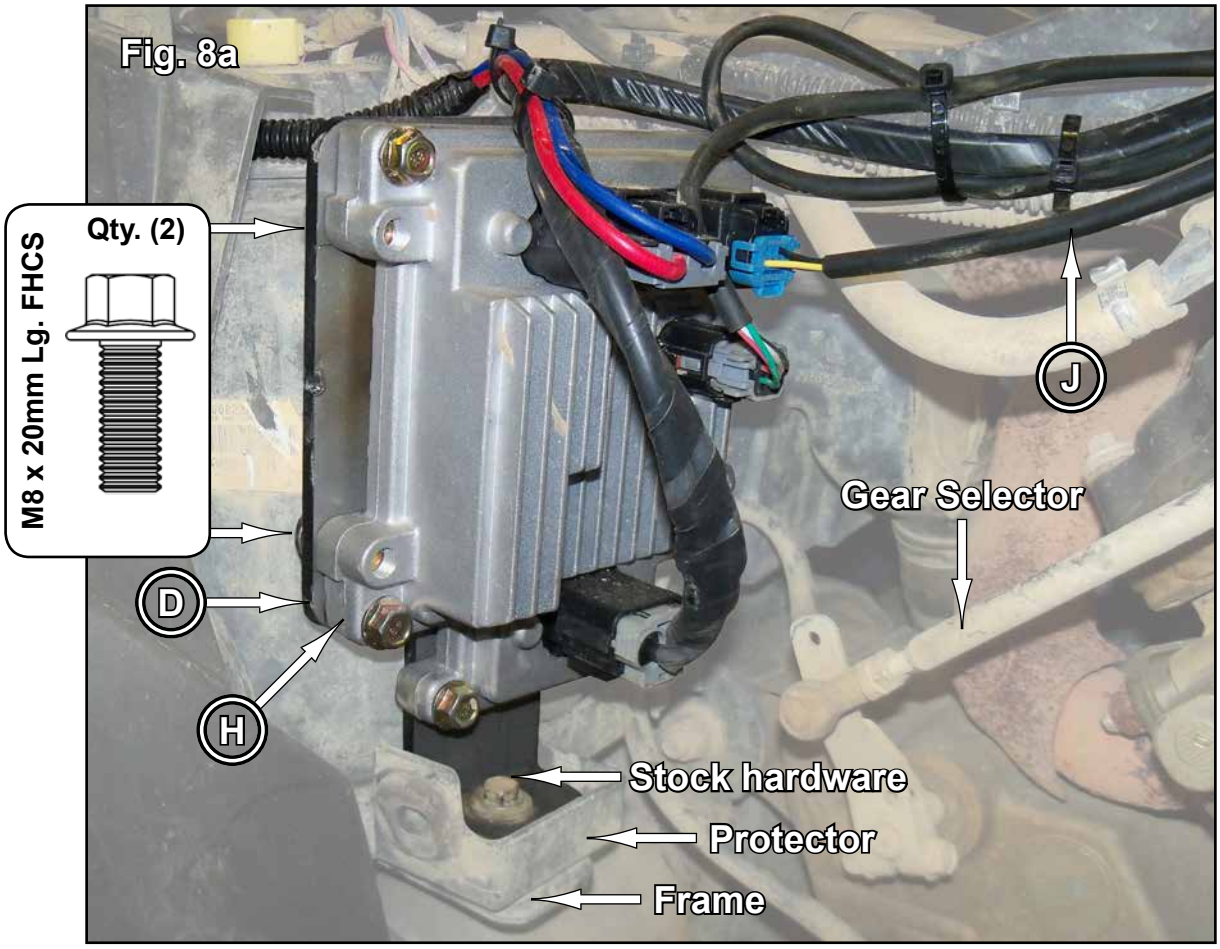
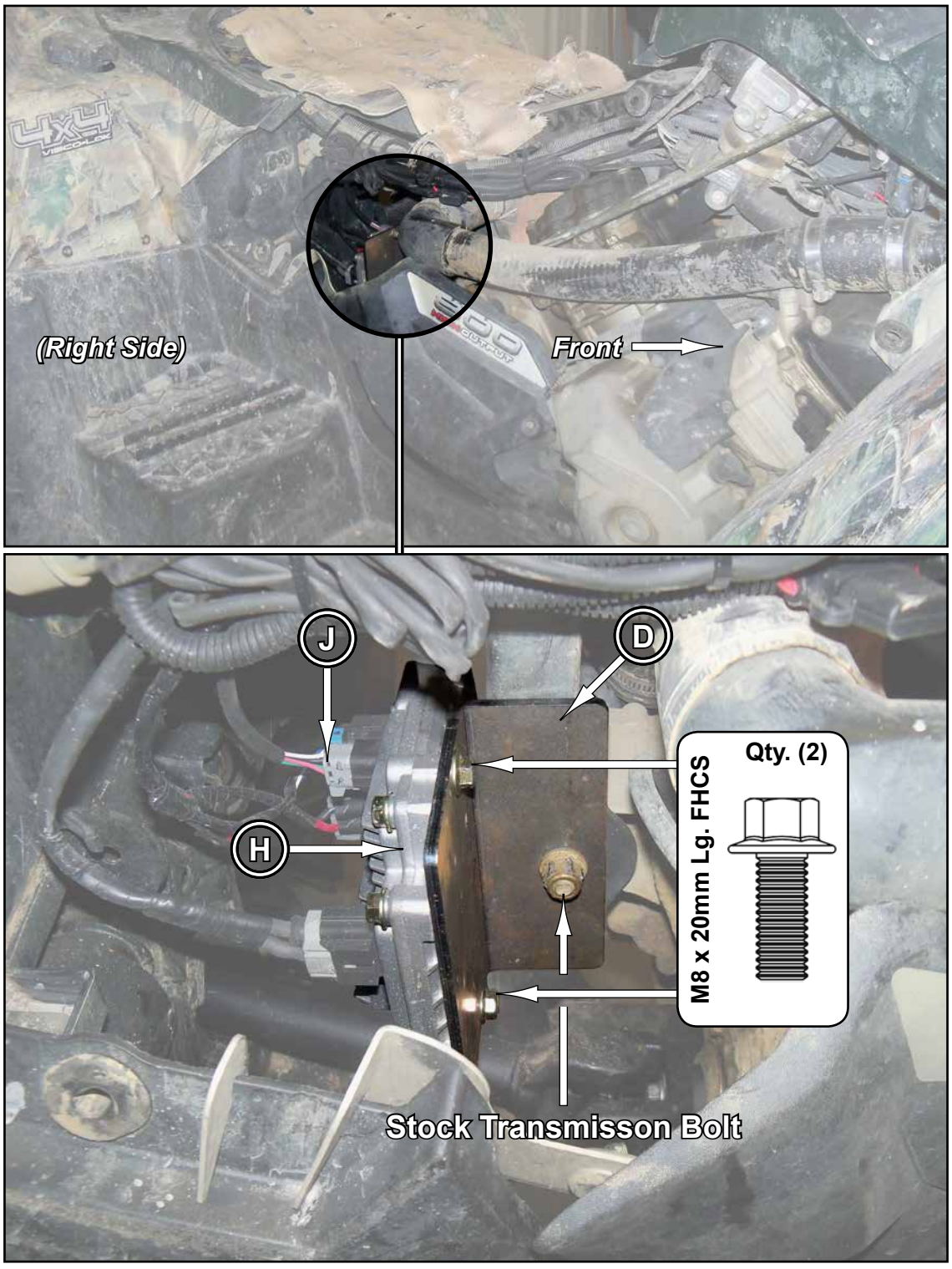


Fig. 8a
Qty. (2)
M8 x 20mm Lg. FHCS
J
Gear Selector
D
H
Stock hardware
Protector
Frame

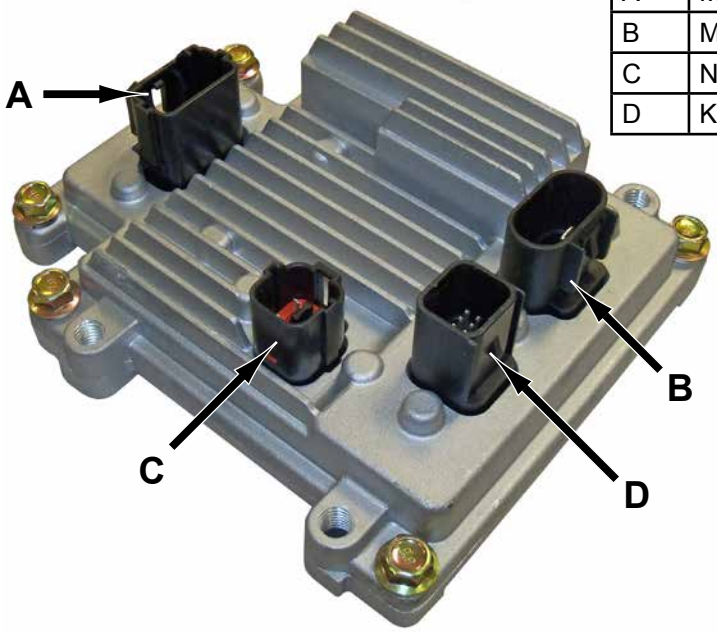
MAX Models ECU Mounting

1. Assemble ECU (H) to ECU Mount (D) with M8 x 25mm Lg. FHCS.
2. On Right Side, near where Gear Selector connects to Engine, remove Transmission Bolt. See below.
3. Install ECU Mount (D) and secure with stock hardware removed in Step 2.
4. Plug in Wiring Harness (J) and make connections. See Wiring Details, pages 13 - 14.



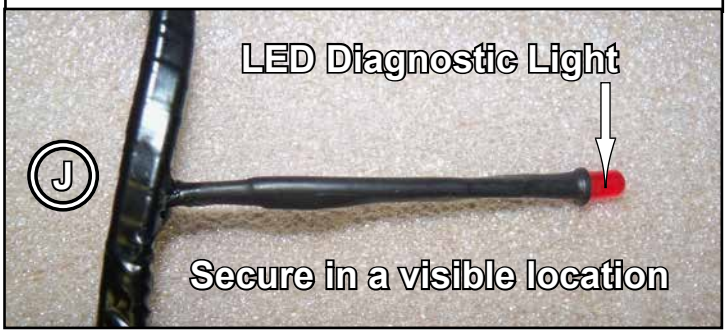
Wiring Details

ECU Functions

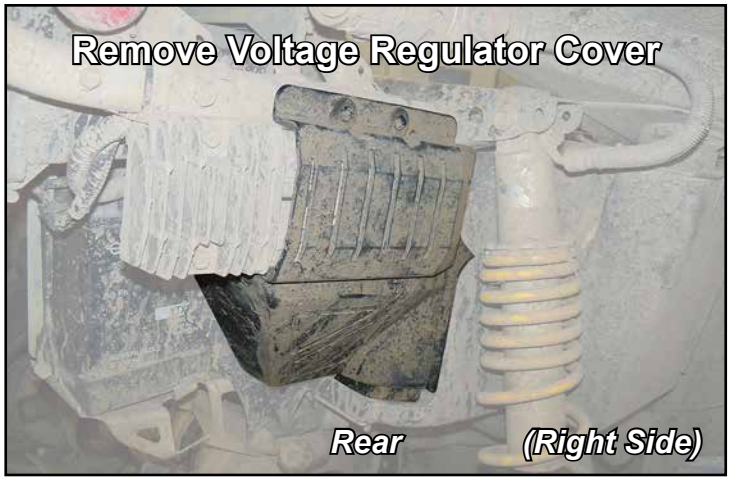


Plug	Function
A	Motor
B	Main Power and Ground
C	Non-Contact Torque Sensor
D	Key-On Power, Speed Sensor Wire, and LED

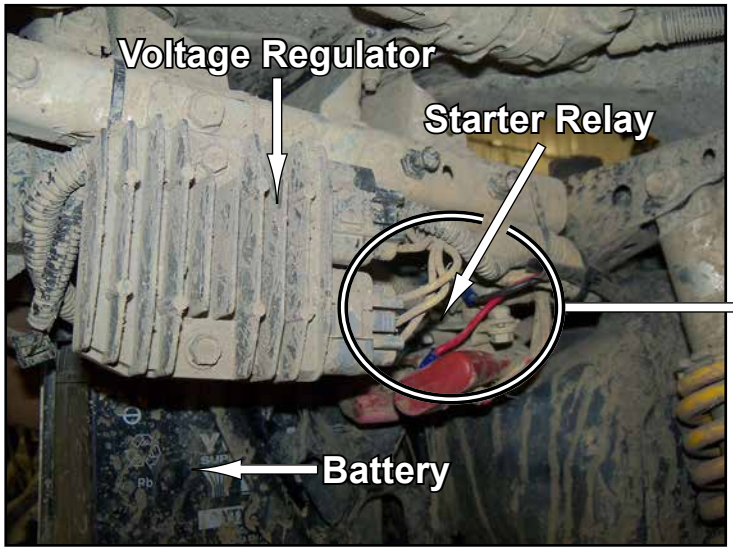
When activated, LED Diagnostic Light will flash once for about 1 second before turning off indicating proper function. Should different patterns occur, contact SuperATV.

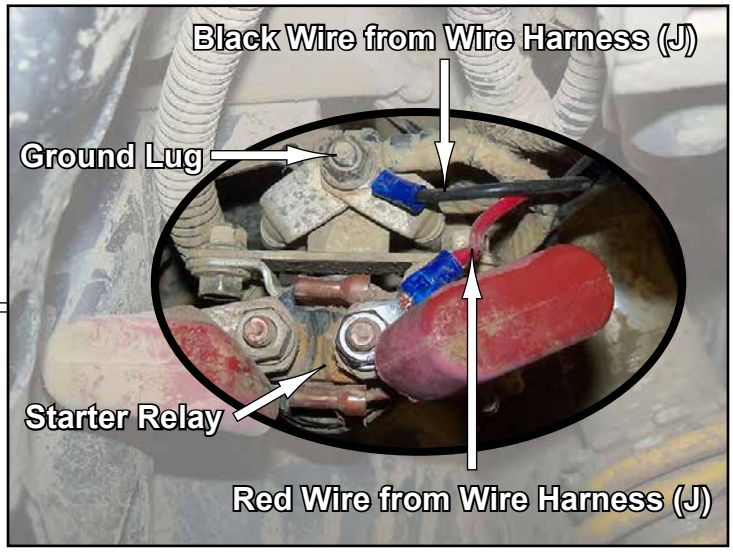


Power Connections

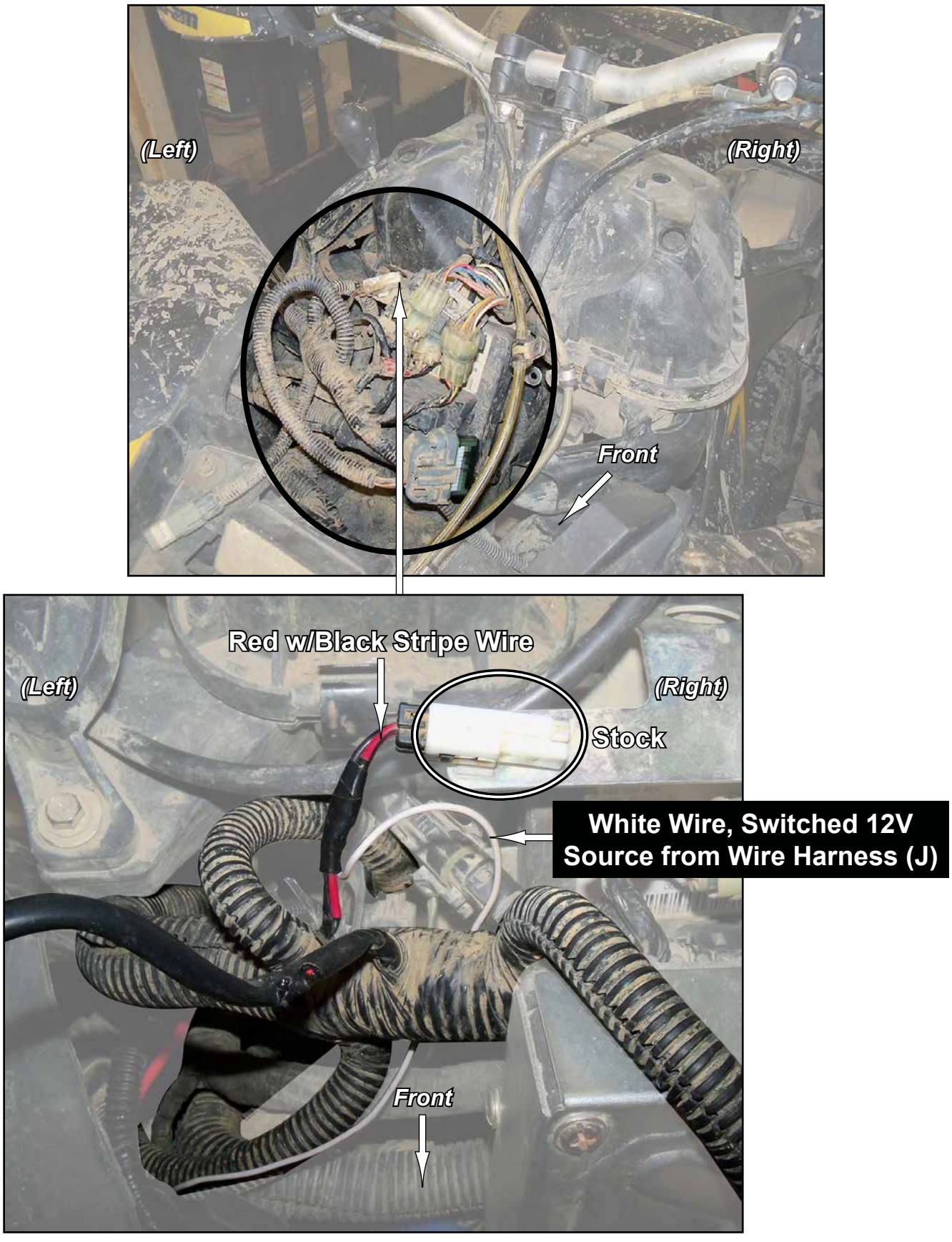


1. Remove Voltage Regulator Cover.
2. Locate Starter Relay and Ground Lug.
3. Red Wire (positive) connects to Starter Relay post and Black Wire (ground) connects to Ground Lug.





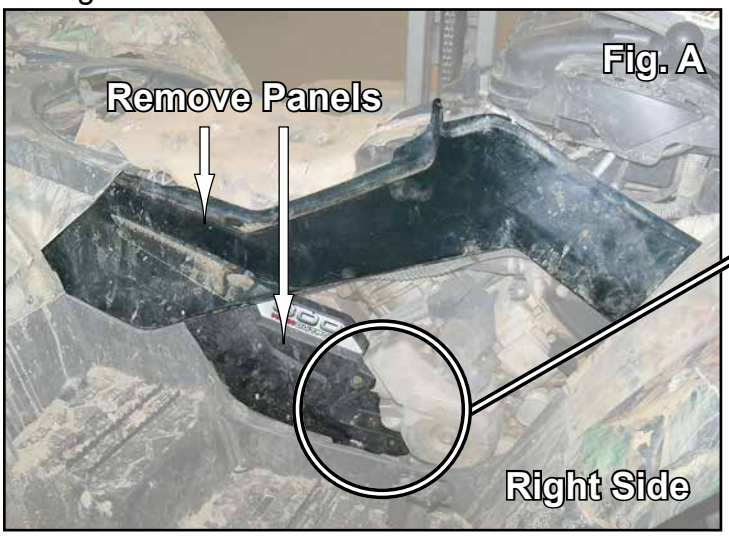
12V Source Connection

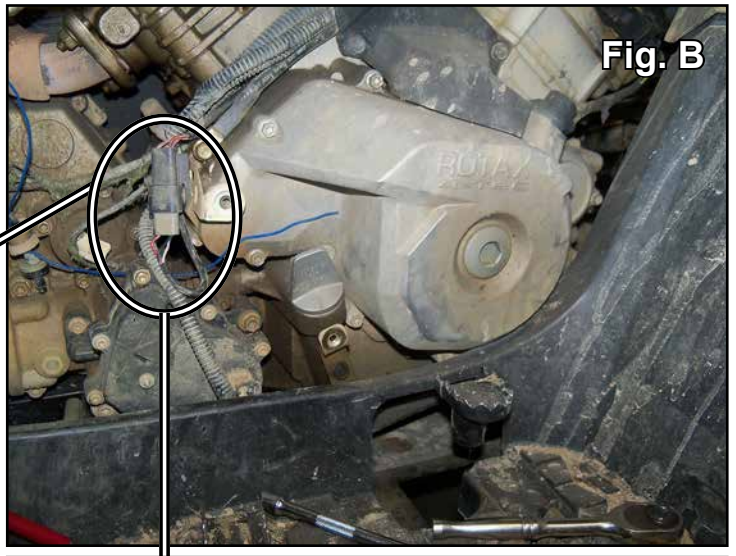


Speed Sensor Connection

Soldering connection is recommended however, installer may use other forms of connecting.

1. Remove Panels shown in Fig. A and locate stock harness containing Red, Black, and White Wires. See Fig. B.
2. Solder, or use Scotch Lock, Blue Wire (Speed Sensor) from Wire Harness (L) to White Wire. See Figs. C - D.





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