

Welcome to the NEGATIVE G RC Family!

This all new **LCG crawler chassis system** is designed specifically for the **313mm/12.3" wheelbase TRX-4 platform**.

Designed with **state of the art 3D modeling software** to optimize suspension geometry, component location and **center of gravity**.

Kit features:

- All new "divorced" primary drive and an extremely compact and lightweight transfer case
- Stainless Steel primary drive and transfer case shafts
- Stainless Steel screws, nuts and misc hardware
- Genuine Kimbrough 50t 32p spur gear included (50t-54t limit)
- Excellent weight distribution, low center of gravity
- Improved suspension geometry with built in anti squat and a low instant center
- Includes adjustable droop strap (rubber band) mount at the rear
- 3D printed parts are made from a proprietary blend of plastics for terrific impact and heat resistance
- For optimum performance a **full droop setup front and rear is recommended**. Just add your axles, links, driveshafts, shocks and electronics package and hit the rocks!

Optional Pars:

- 6mm or 8mm front bumper bar
- Short or long center skid plate depending on motor size

Builders Tips:

- Add a miniscule smear of grease to screws intended for 3d printed parts. This eases installation and aids in anti-galling. Use low RPM screwdriver for installation. Power tighten to 85% and hand tighten to 100%. **See Figure 1 below.**
- Do not over tighten front upper link rod ends to link bar. Washers may be used in between links and rod end to achieve desired pinion angle.
- Some minor length adjustment to the stock Traxxas panhard rod may be required to center axle. Check axle centering at full compression.

Required parts not included:

- Traxxas TRX-4 Axles, suspensions links, drive shafts and shocks
- Traxxas 3931 3x8 flanged screws or equivalent
- Traxxas 8115 body mount kit
- Electronics package
- Wheels/tires
- Body

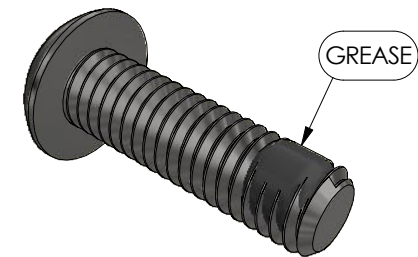


FIGURE 1



F-BH30 - (9)
M3x30mm Button Head



F-BH25 - (4)
M3x25mm Button Head



F-BH20 - (2)
M3x20mm Button Head



F-BH18 - (4)
M3x18mm Button Head



F-BH16 - (11)
M3x16mm Button Head



F-BH12 - (6)
M3x12mm Button Head



F-BH10 - (21)
M3x10mm Button Head



F-BH08 - (2)
M3x8mm Button Head



F-BH06 - (3)
M3x6mm Button Head



F-FH10 - (3)
M3x10mm Flat Head



F-SS16 - (2)
M3x16mm Set Screw



D-B5114 - (6)
5x11x4 Bearing



D-B4114 - (1)
4x11x4 Bearing



D-DP10 - (1)
2.5mm x 10mm Dowel Pin



D-DP12 - (1)
2.5mm x 12mm Dowel Pin



F-LN03 - (4)
3mm Locknut



F-LN04 - (1)
M4mm Lock Nut



C-SP33 - (1)
3x3 Spacer



C-SP34 - (1)
3x4 Spacer



C-SP35 - (4)
3x5 Spacer



C-SP36 - (1)
3x6 Spacer



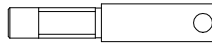
D-SP55 - (1)
5x5 Spacer



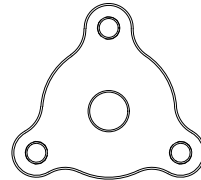
D-TCBS - (1)
Transfer Case Bottom Shaft



D-PDMS - (1)
Transmission Shaft



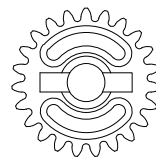
D-TCTS - (1)
Transfer Case Top Shaft



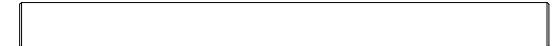
D-NGSA - (1)
Ng Spur adapter



D-TCTG - (1)
Transfer Case Top Gear



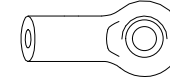
D-TCBG - (1)
Transfer Case Bottom Gear



C-SP70 - (2)
70mm Chassis Spacer



C-LKUF - (1)
Upper Front Link



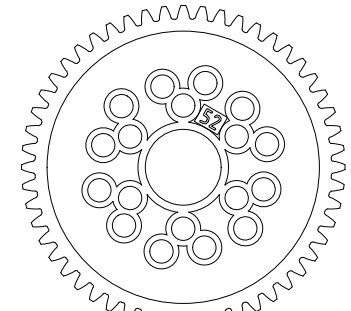
C-REAN - (2)
Rod End Angled



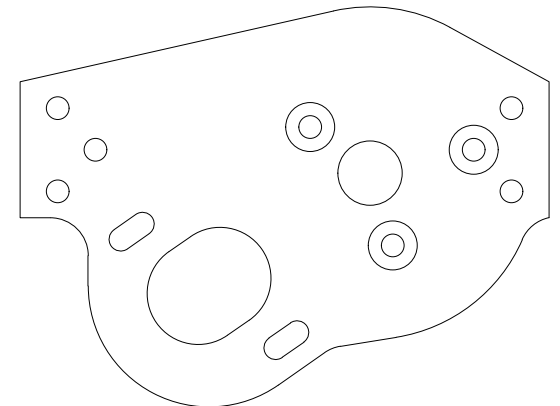
D-FW04 - (1)
4mm Flat Washer



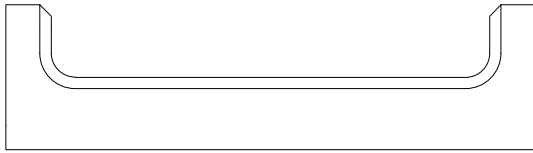
F-EC04 - (3)
4mm E Clip



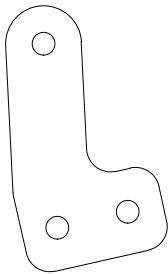
D-SG52 - (1)
Vanquish 52t Spur



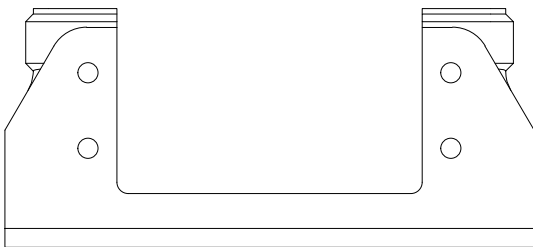
D-PDMP - (1)
Carbon Fiber Motor Plate



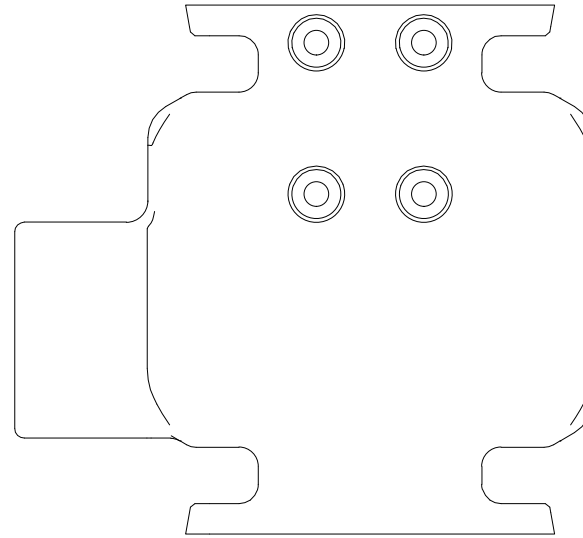
C-3DFB - (1)
Front Bumper



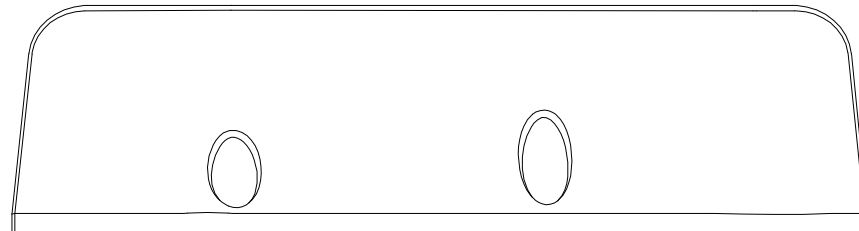
C-BUCF - (2)
Front Bumper Upright-Carbon Fiber



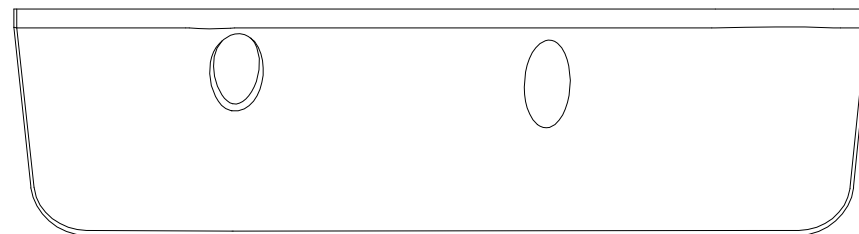
C-3DSM - (1)
Servo Mount



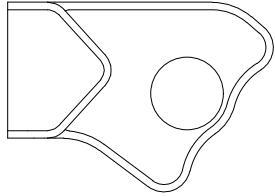
C-3DSS - (1)
Center Skid - Standard



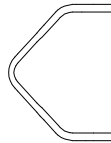
C-3DSR - (1)
Narrow Slider Right



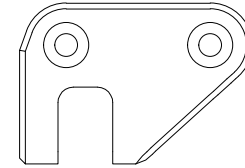
C-3DSL - (1)
Narrow Slider Left



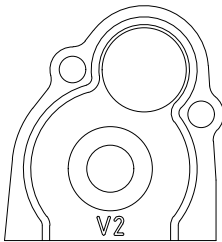
D-PDBC - (1)
Trans Shaft Bearing Case



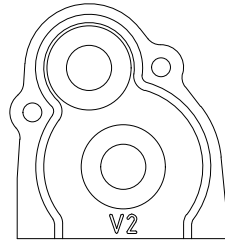
D-PDSM - (1)
Trans Side Mount



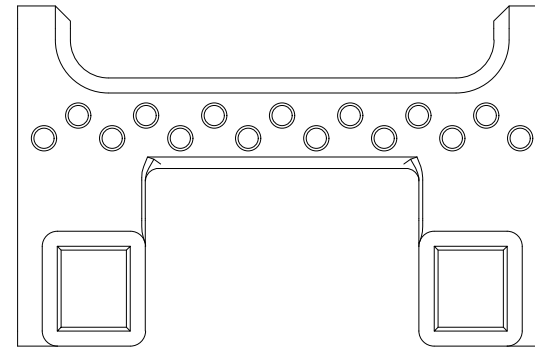
C-3DPM - (1)
Panhard Bar Mount



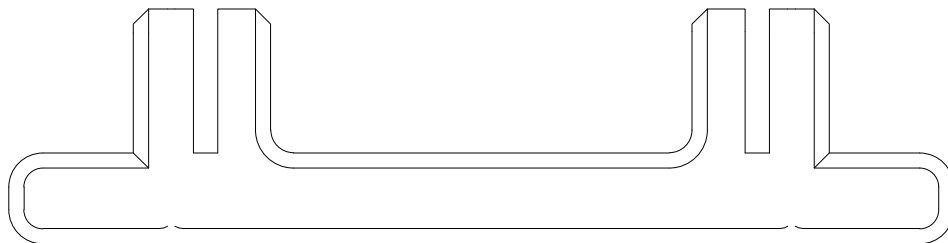
D-TCRE - (1)
Transfer Case Rear Half



D-TCFR - (1)
Transfer Case Front Half

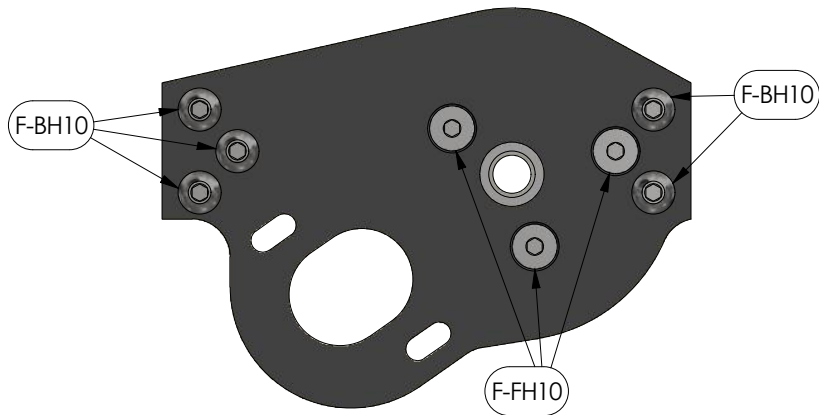
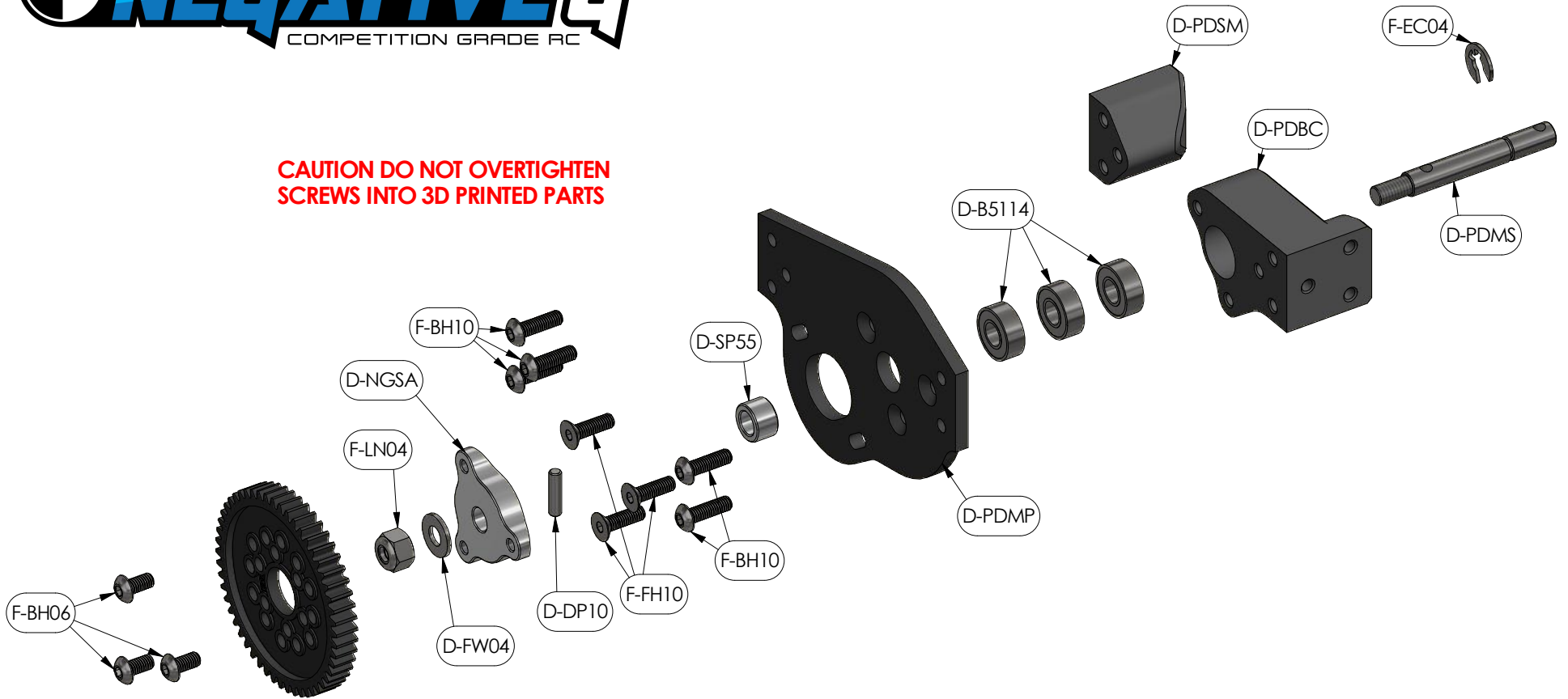


C-3DBR-T - (1)
Rear Body Mount










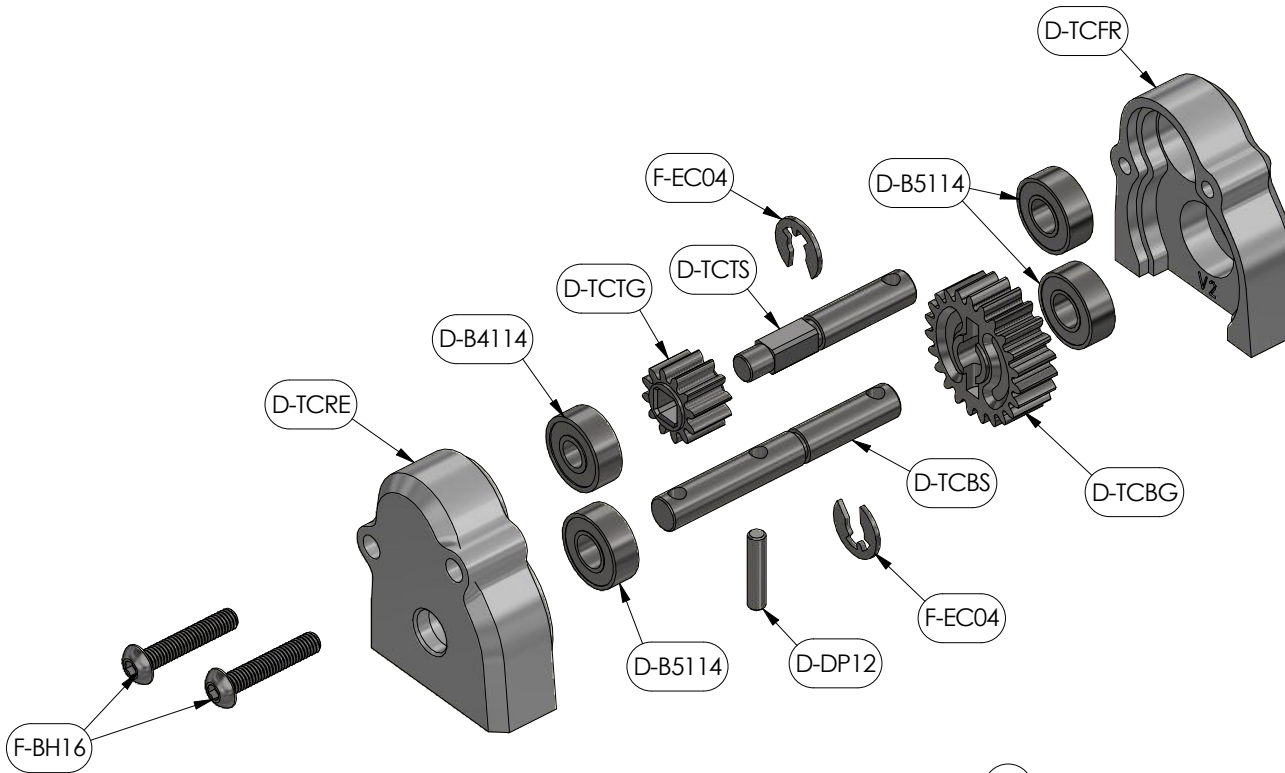
C-3DRB - (1)
Rear Bumper

**CAUTION DO NOT OVERTIGHTEN
SCREWS INTO 3D PRINTED PARTS**



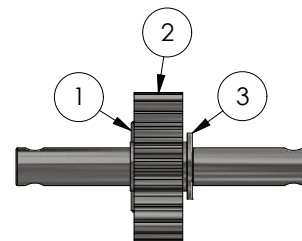
FRONT VIEW

- | | | | |
|---|--|---|-------------------------------------|
|  | F-EC04 - (1)
4mm E Clip |  | F-BH10 - (5)
M3x10mm Button Head |
|  | D-SP55 x 1
5x5 Spacer |  | F-FH10 - (3)
M3x10mm Flat Head |
|  | D-DP10 - (1)
2.5mm x 10mm Dowel Pin |  | F-LN04 x 1
M4mm Lock Nut |
| | |  | F-BH06 - (3)
M3x6mm Button Head |



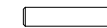
**CAUTION DO NOT OVERTIGHTEN
SCREWS INTO 3D PRINTED PARTS**

MINIMAL GREASE REQUIRED



BOTTOM SHAFT ASSEMBLY ORDER:

1. CROSS PIN
2. GEAR
3. E-CLIP



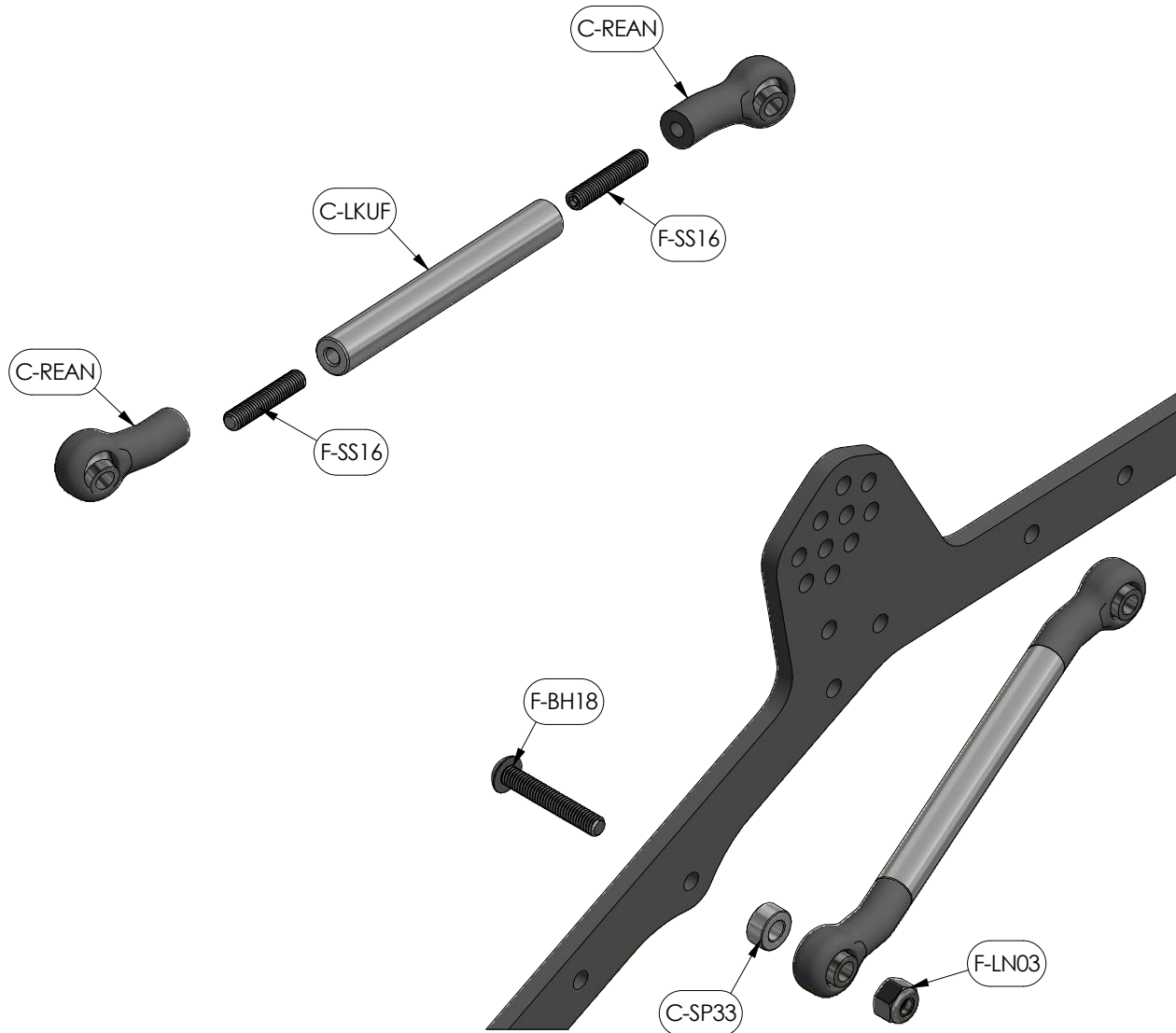
D-DP12 - (1)
2.5mm x 12mm Dowel Pin



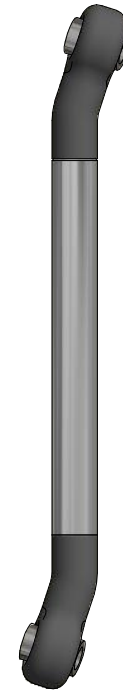
F-EC04 - (2)
4mm E Clip



F-BH16 - (2)
M3x16mm Button Head



**INSTALL ON OUTSIDE
OF RIGHT CHASSIS RAIL**



Rod End Orientation



F-SS16 - (2)
M3x16mm Set Screw



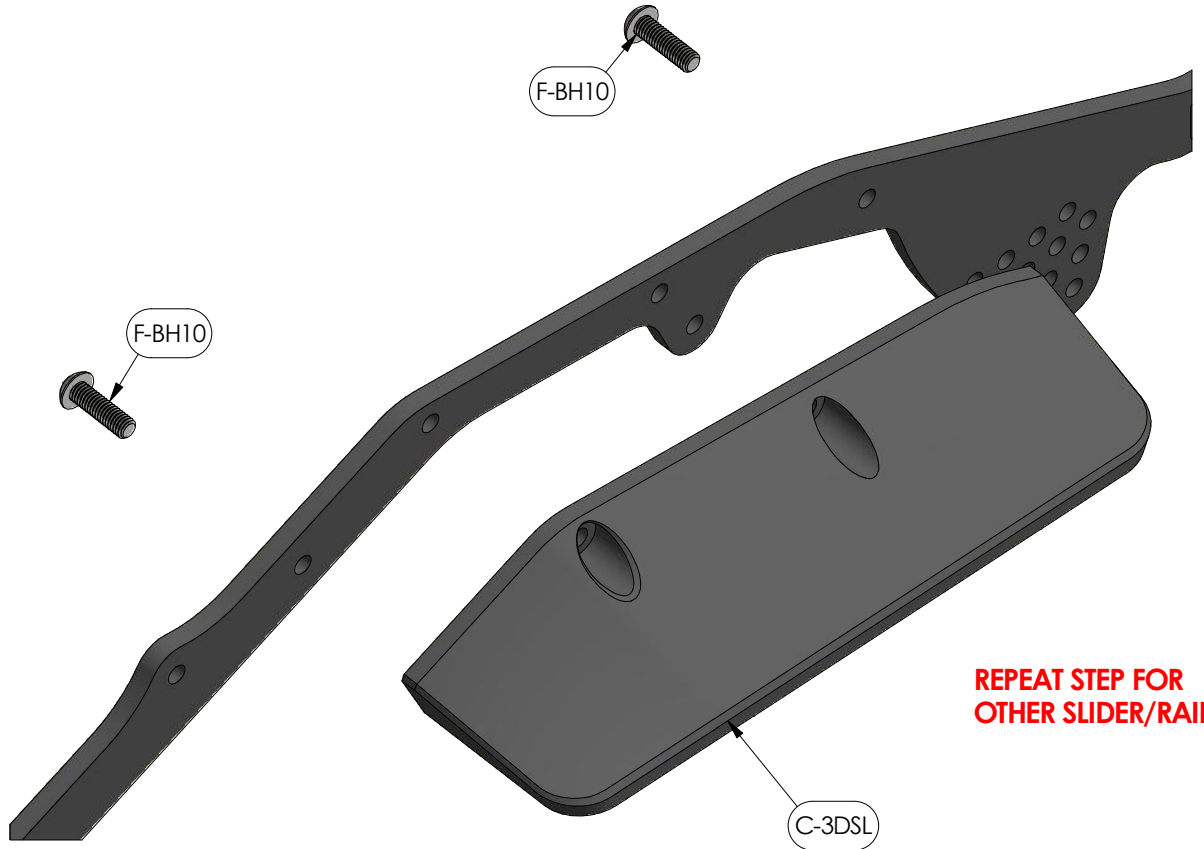
C-SP33 - (1)
3x3 Spacer



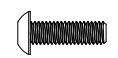
F-BH18 - (1)
M3x18mm Button Head



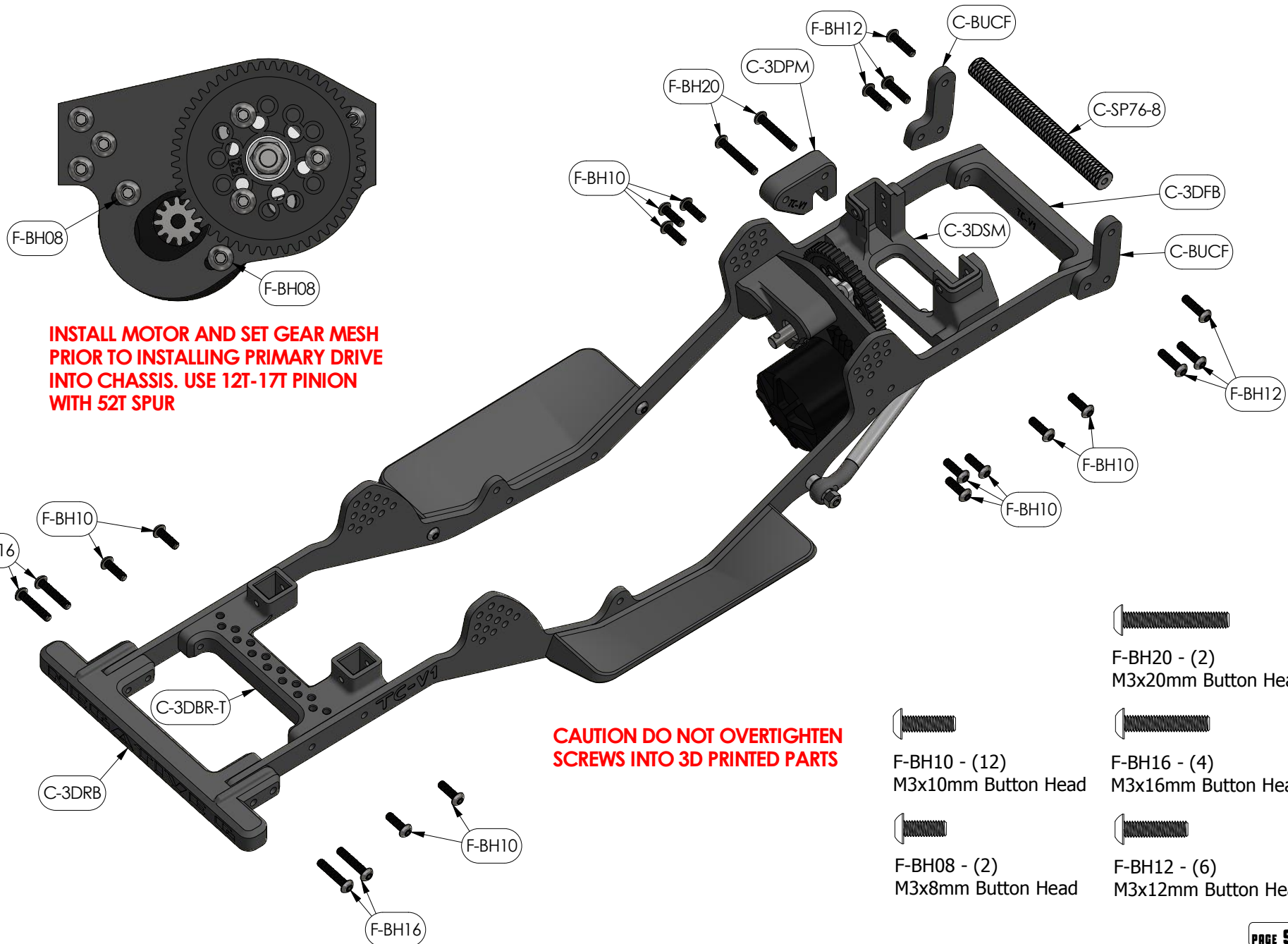
F-LN03 - (1)
3mm Locknut



**REPEAT STEP FOR
OTHER SLIDER/RAIL**








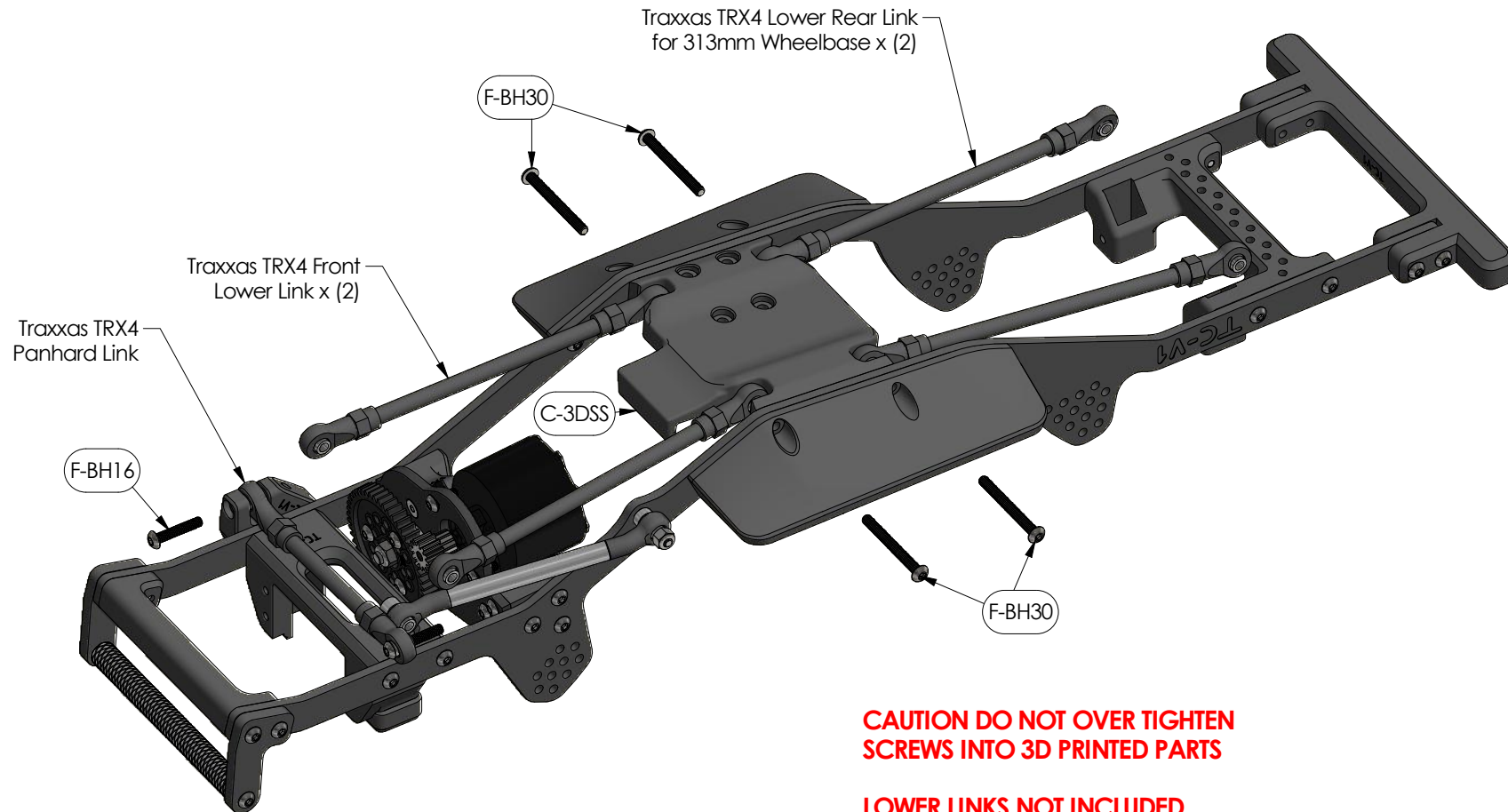
F-BH10 - (4)
M3x10mm Button Head



INSTALL MOTOR AND SET GEAR MESH PRIOR TO INSTALLING PRIMARY DRIVE INTO CHASSIS. USE 12T-17T PINION WITH 52T SPUR

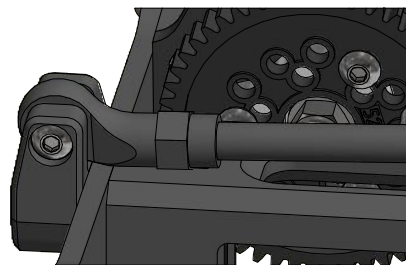
CAUTION DO NOT OVERTIGHTEN SCREWS INTO 3D PRINTED PARTS

-  F-BH20 - (2)
M3x20mm Button Head
-  F-BH10 - (12)
M3x10mm Button Head
-  F-BH08 - (2)
M3x8mm Button Head
-  F-BH16 - (4)
M3x16mm Button Head
-  F-BH12 - (6)
M3x12mm Button Head



**CAUTION DO NOT OVER TIGHTEN
SCREWS INTO 3D PRINTED PARTS**

LOWER LINKS NOT INCLUDED



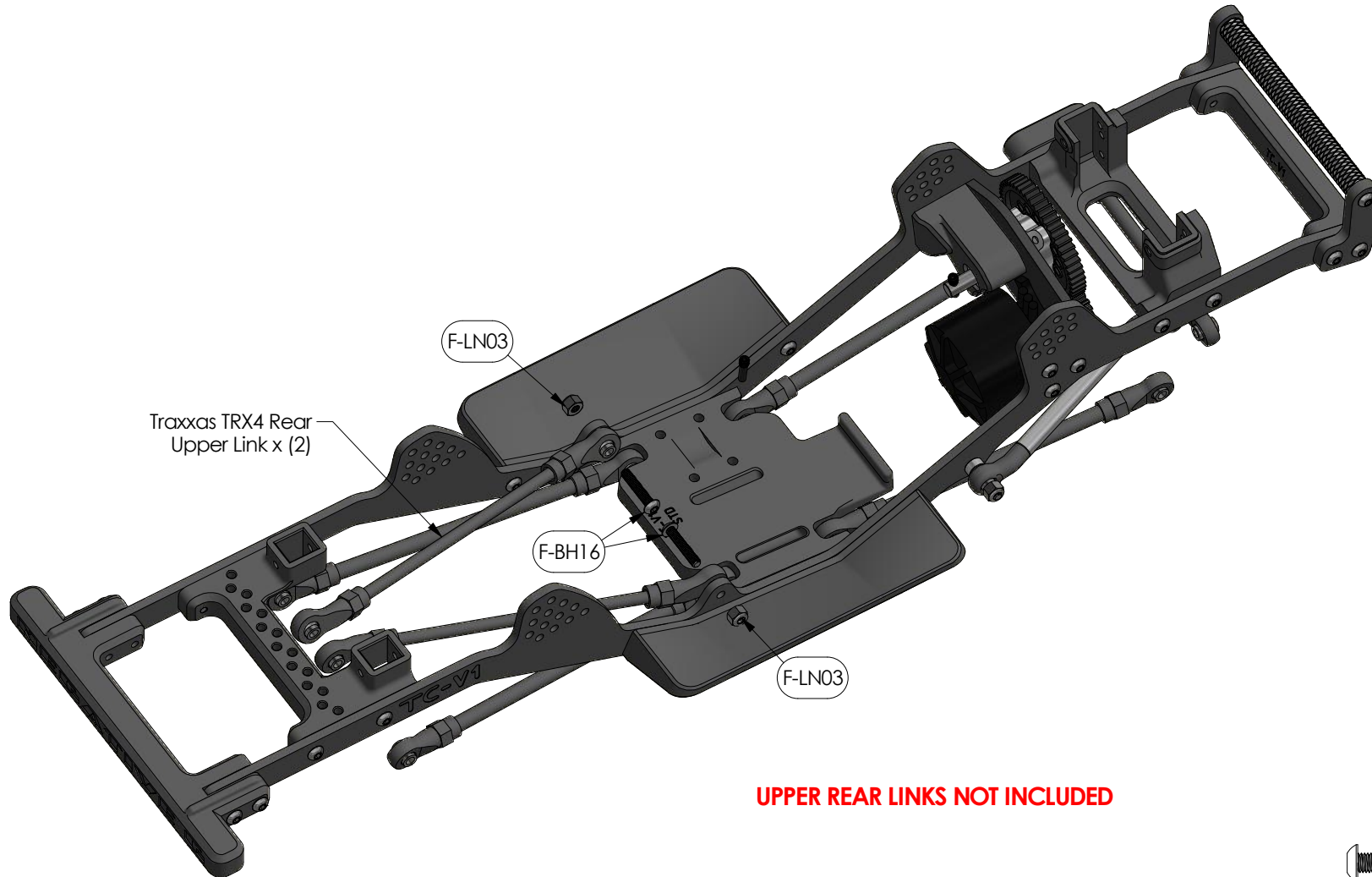
ROD END ORIENTATION



F-BH30 - (4)
M3x30mm Button Head



F-BH16 - (1)
M3x16mm Button Head



UPPER REAR LINKS NOT INCLUDED

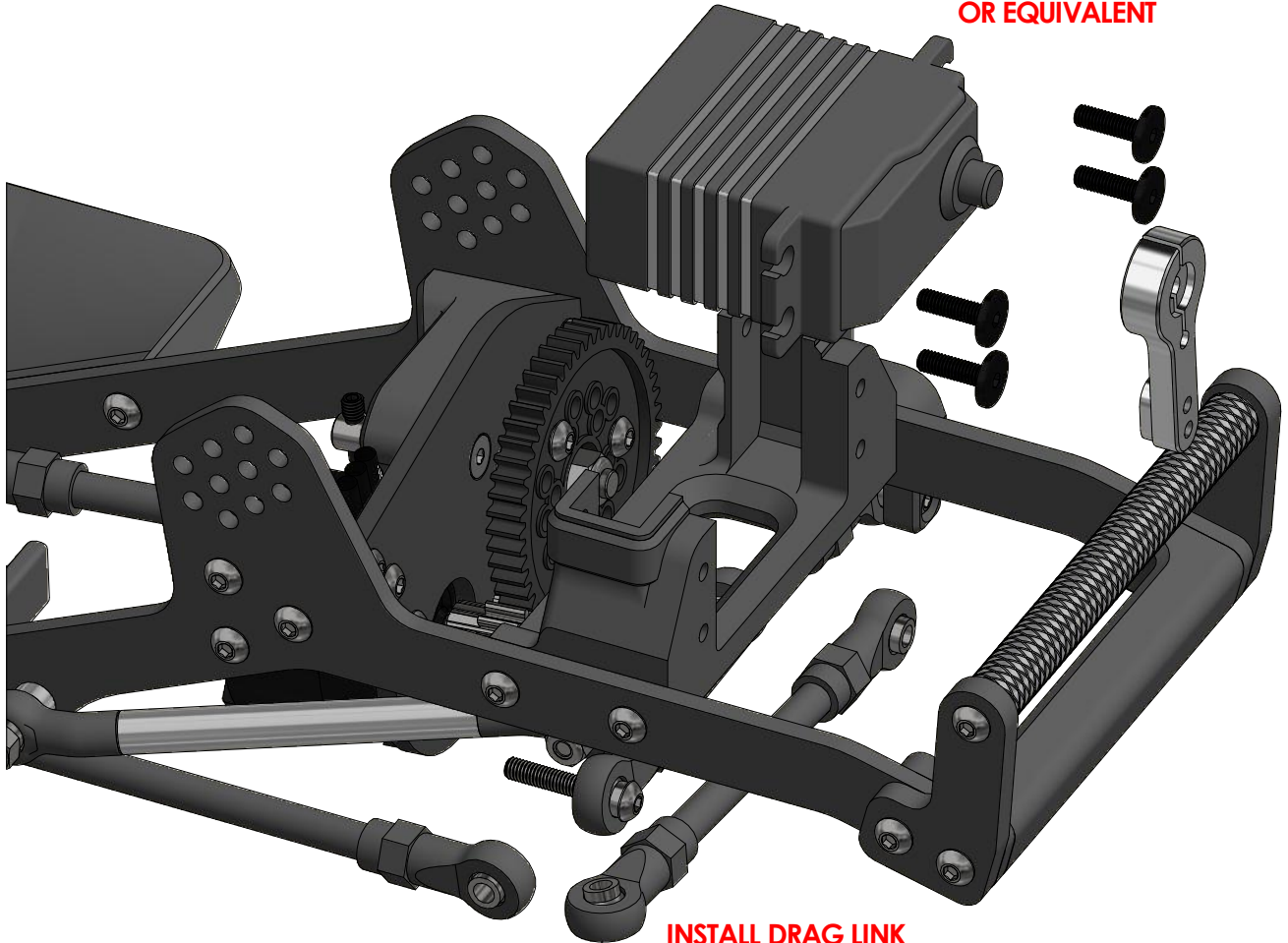


F-BH16 - (2)
M3x16mm Button Head

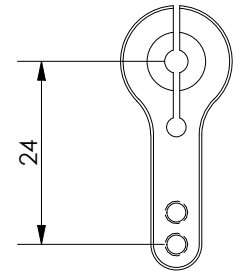


F-LN03 - (2)
3mm Locknut

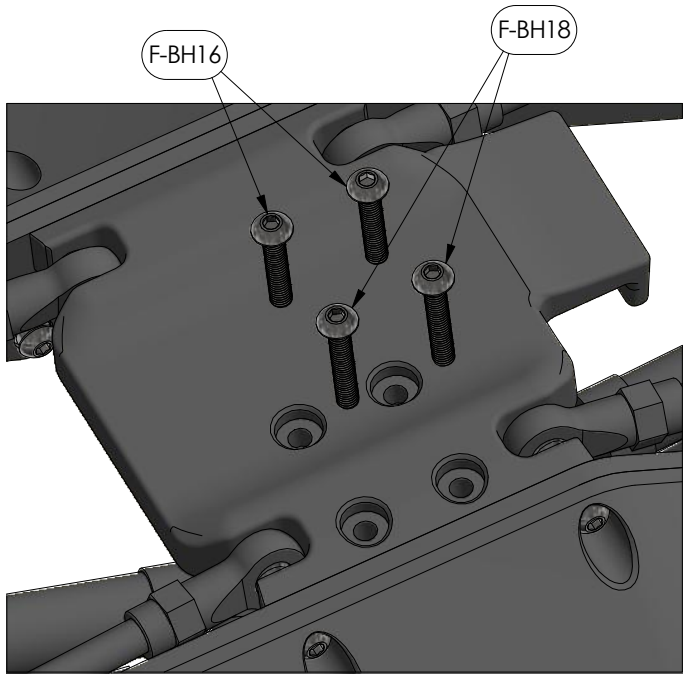
**INSTALL HIGH TORQUE SERVO
USING TRAXXAS 3931 SCREWS
OR EQUIVALENT**



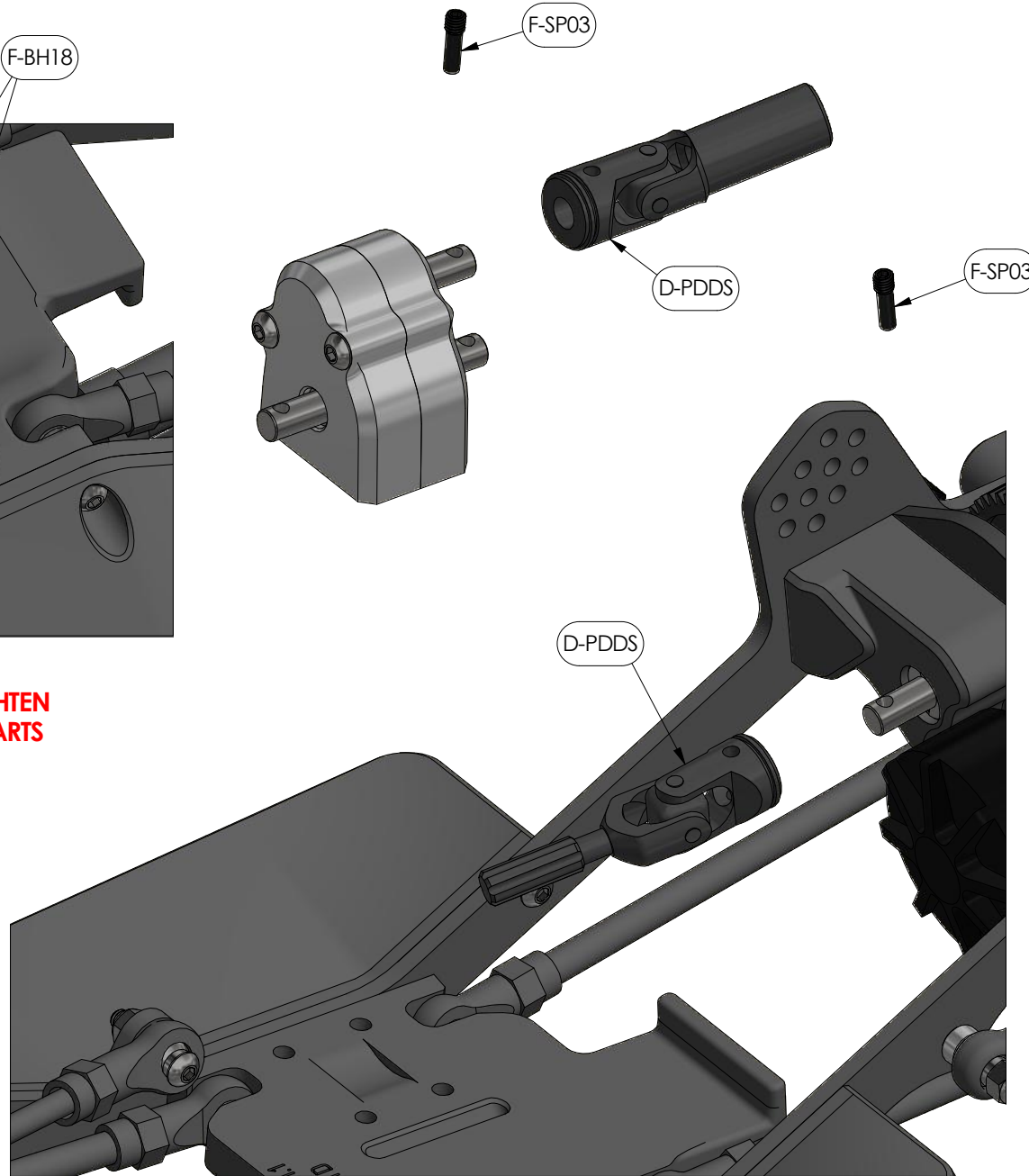
**INSTALL DRAG LINK
BEHIND SERVO HORN**

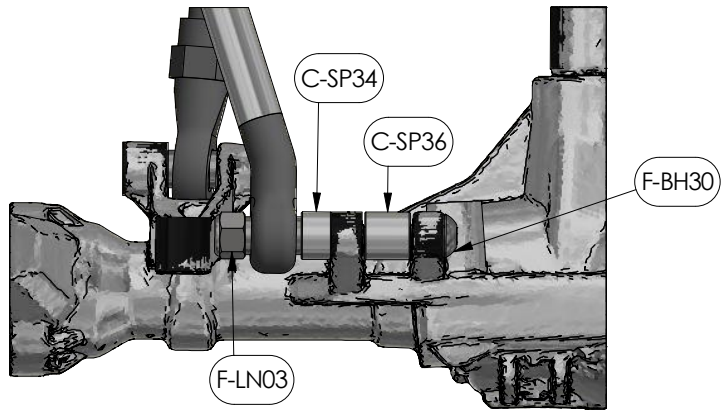


**MINIMUM 24MM SERVO
HORN RECOMMENDED**

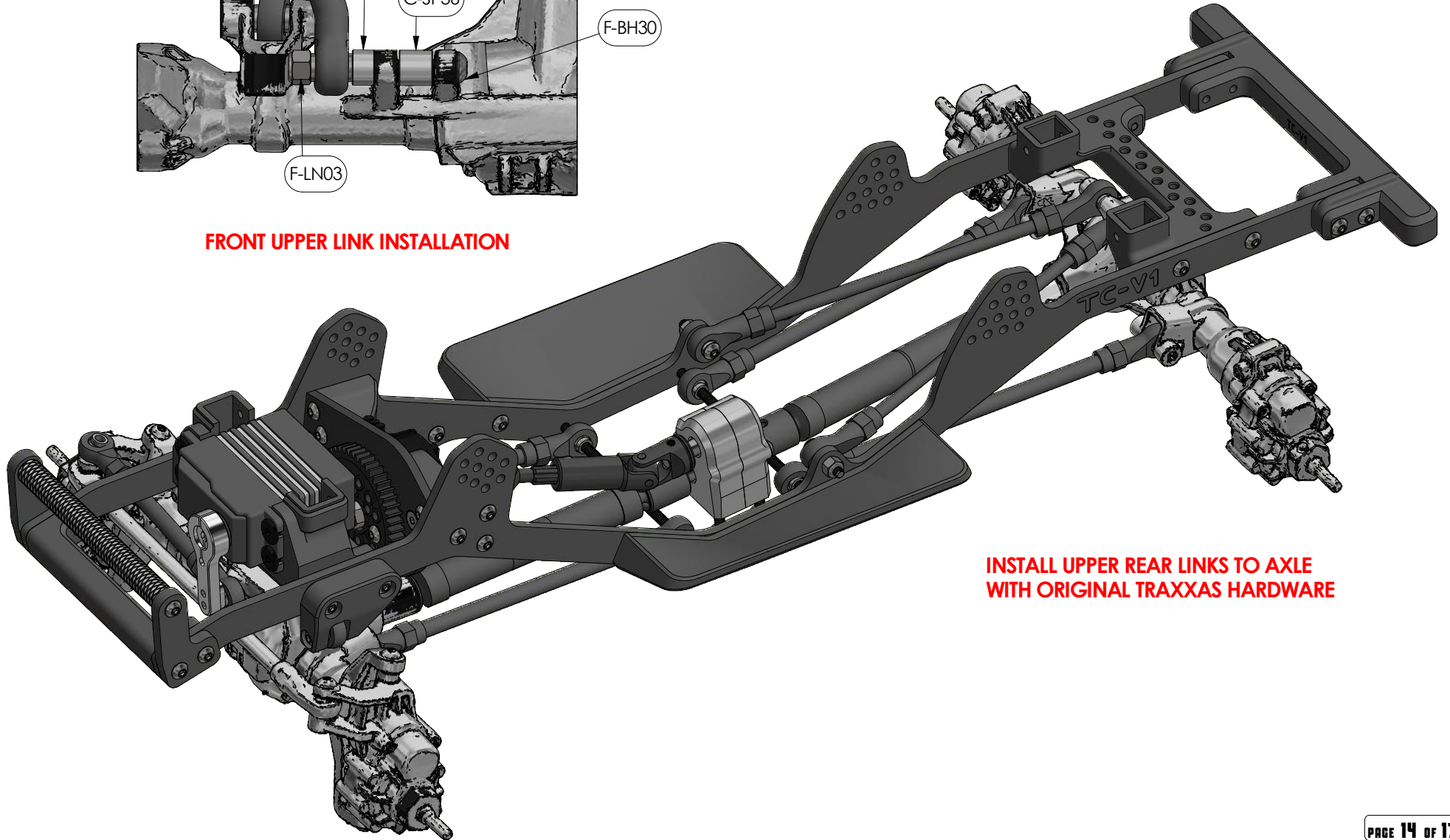


**CAUTION DO NOT OVERTIGHTEN
SCREWS INTO 3D PRINTED PARTS**

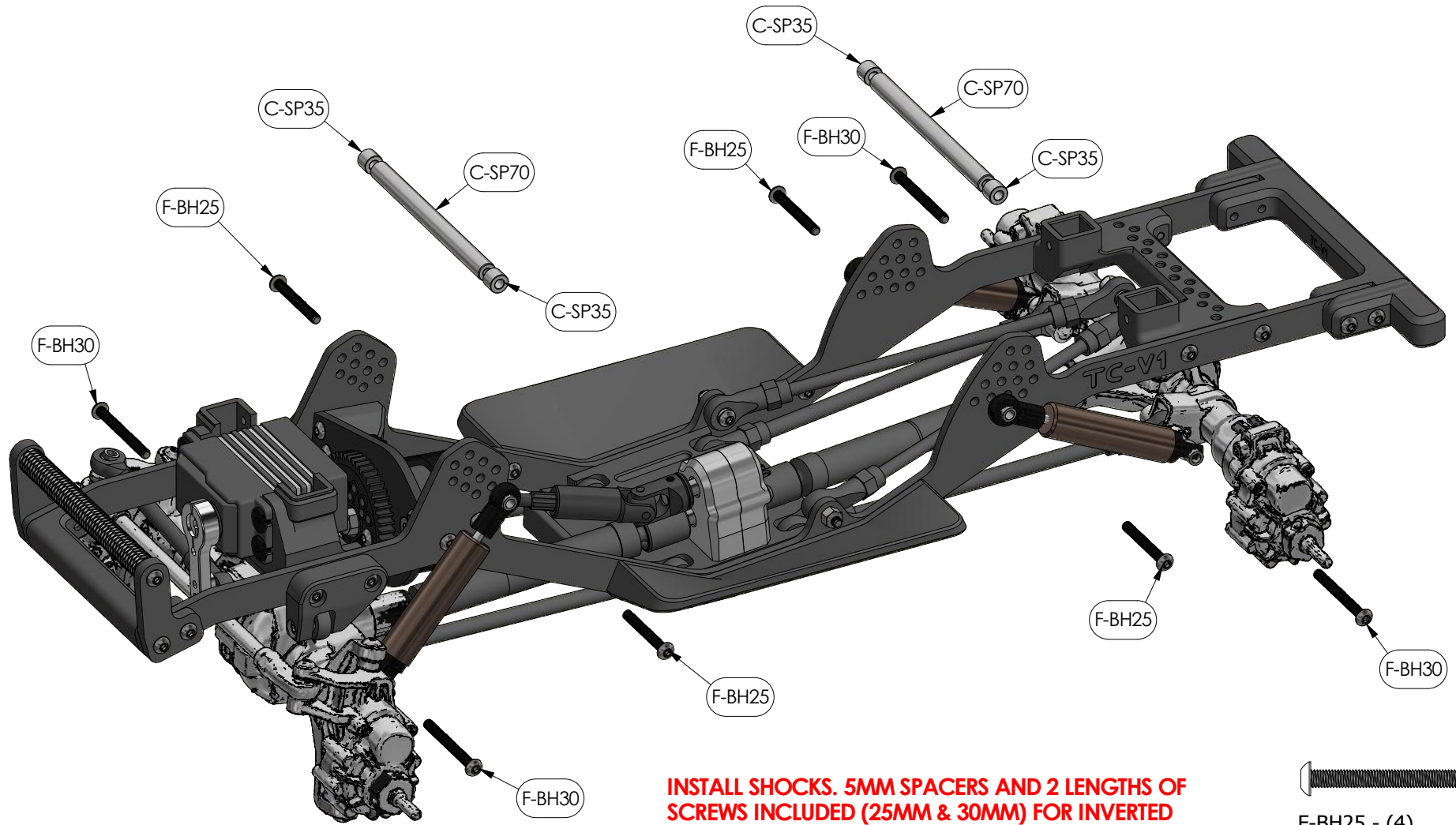




FRONT UPPER LINK INSTALLATION



**INSTALL UPPER REAR LINKS TO AXLE
WITH ORIGINAL TRAXXAS HARDWARE**



INSTALL SHOCKS. 5MM SPACERS AND 2 LENGTHS OF SCREWS INCLUDED (25MM & 30MM) FOR INVERTED SHOCK MOUNTING



C-SP35 - (4)
3x5 Spacer

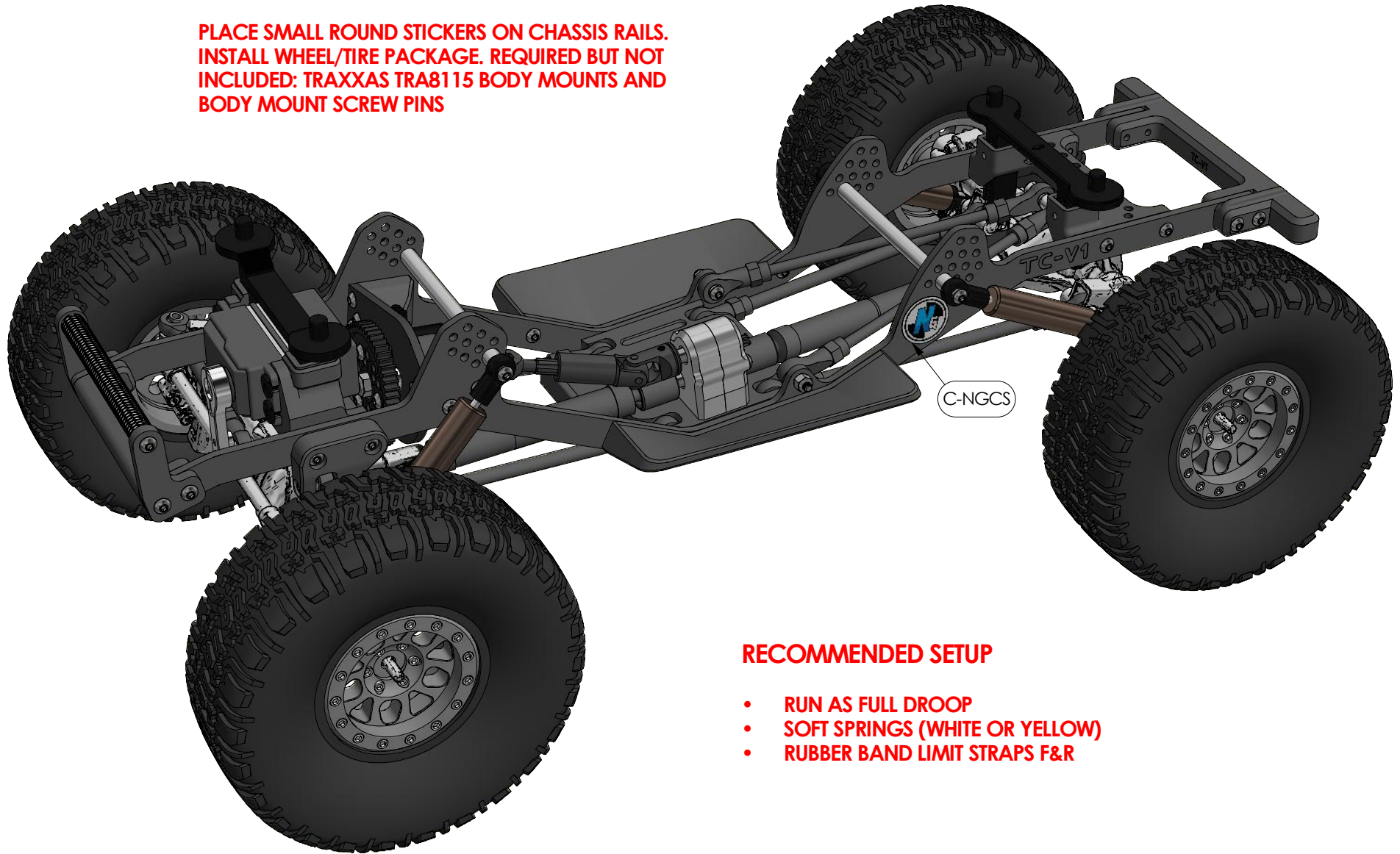


F-BH25 - (4)
M3x25mm Button Head



F-BH30 - (4)
M3x30mm Button Head

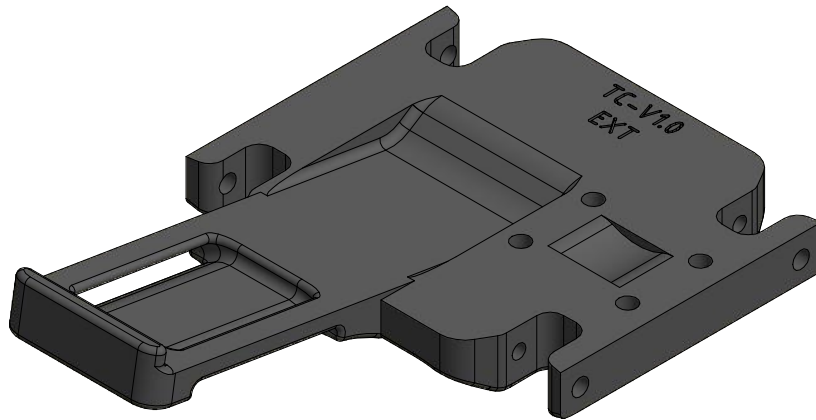
**PLACE SMALL ROUND STICKERS ON CHASSIS RAILS.
INSTALL WHEEL/TIRE PACKAGE. REQUIRED BUT NOT
INCLUDED: TRAXXAS TRA8115 BODY MOUNTS AND
BODY MOUNT SCREW PINS**



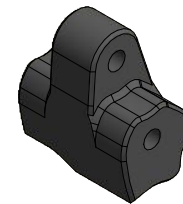
RECOMMENDED SETUP

- **RUN AS FULL DROOP**
- **SOFT SPRINGS (WHITE OR YELLOW)**
- **RUBBER BAND LIMIT STRAPS F&R**

OPTIONAL PARTS
CHECK <http://www.negativegrc.com> FOR AVAILABILITY AND PRICING



C-3DSL - (x)
Center Skid - Extended



Rear Link Riser 10mm v2
TC-V1 10mm Link Riser Rear

DON'T LET GRAVITY WIN!