Front Anti-Sway Bar & Trac Rod Kit INSTALLATION INSTRUCTIONS

KIT# 1209-153-TRACS2RV

06/25
RS

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 360-896-0407 www.RoadmasterInc.com

For Freightliner S2RV

Information:

Thank you for purchasing this rear anti-sway bar kit. This kit is designed to improve the handling characteristics of your Freightliner; by reducing the body roll and balancing the weight transfer during cornering.

The anti-sway bar kit is engineered for long life and trouble-free performance. For maximum suspension control, use this kit along with our shock absorbers and our front anti-sway bar kit. All the hardware needed for installation is included in this kit. Refer to the *PARTS LIST* in these instructions to identify the parts.

Before starting the installation, lay out the kit components in order, as they will be used. This will give you a visual idea of how the components work, and will also confirm that everything is present and accounted for.

⚠ WARNING

Failure to follow these instructions can result in property damage, personal injury or even death.

- If raising the vehicle to install the anti-sway bar, always support the vehicle with jack stands at both frame rails or at the rear axle before working underneath. Ensure that the jack stands are securely positioned, and are rated at or above the weight of the vehicle.
- The installer must read the instructions and use all bolts and parts supplied. Use only the parts supplied by ROADMASTER to install this kit.
- Minor modifications are sometimes necessary due to slight vehicle variations, even for the same year, make and model.
- Regardless of year, make and model, a wide range of options for specific applications may or may not interfere with the installation. It is the installer's responsibility to make certain that equipment is not damaged once the suspension solution travels through the full range of motion. Failure to ensure adequate clearance could result in non-warranty property damage, personal injury or even death.
- If running changes were made by the manufacturer after this kit was designed, there may be weldments, braces, gussets, or other structural items which interfere with the installation. It is the installer's responsibility to allow for these running changes without sacrificing the structural integrity of the anti-sway bar. Failure to securely fasten the anti-sway bar could result in property damage, personal injury or even death.
- ROADMASTER will not be responsible for any damage or injury resulting from any modification or alteration.
- Check ALL the fasteners for tightness before and after road testing the vehicle.
- Do not use this document for custom fabrication, as it may not show all parts or structural components.
- Do not use an air impact wrench when re-installing bolts, as stripped threads may result.
- This anti-sway bar is only warranteed for the original installation. Installing a used anti-sway bar on another vehicle is not recommended and will void the warranty.

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- If raising the vehicle to install the TruTrac bar, always support the vehicle with jack stands at both frame rails or at the rear axle before working underneath. Ensure that the jack stands are securely positioned, and are rated at or above the weight of the vehicle.
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- If running changes were made by the manufacturer after this kit was designed, there may be weldments, braces, gussets, or other structural items which interfere with the installation. It is the installer's responsibility to allow for these running changes without sacrificing the structural integrity of the TruTrac bar. Failure to securely fasten the TruTrac bar could result in property damage, personal injury or even death.
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- Check ALL the fasteners for tightness before and after road testing the vehicle.
- Do not use this document for custom fabrication, as it may not show all parts or structural components.
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INSTALLATION INSTRUCTIONS

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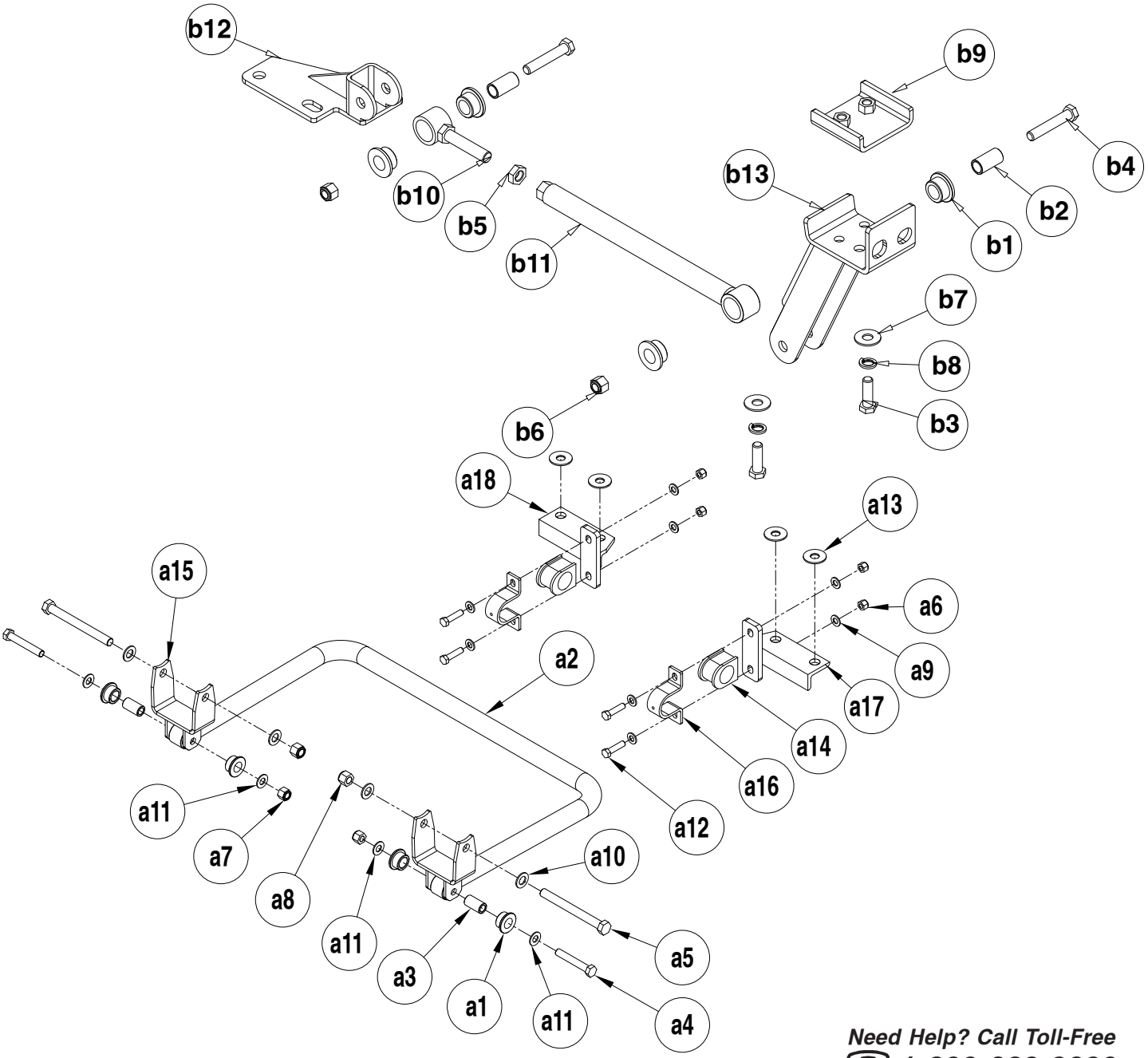
What You'll Need

Sockets and Wrench
General Hand tools
Threadlocker (Preferable Red)
Second Person to Help

About this kit

1-3/4" diameter
Fits most Freightliner S2RV



Need Help? Call Toll-Free
1-800-669-9690

PARTS LIST ON FOLLOWING PAGE

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Front Anti-Sway Bar Kit Parts

ITEM	QTY.	DESCRIPTION	PART
a1	4	BUSHING	205209-00
a2	1	SWAYBAR	580607-175
a3	2	BUSHING SLEEVE	205503-00
a4	2	5/8-11 x 4” BOLT - GRADE 8	350158-50
a5	2	3/4-10 x 7 1/2” BOLT-GRADE 8	350193-00
a6	4	1/2-13 NYLON LOCK NUT	350259-00
a7	2	5/8-11 NYLON LOCK NUT	350263-20
a8	2	3/4-10 NYLON LOCK NUT	350265-00
a9	8	1/2” HARDENED WASHER	350308-80
a10	4	3/4” SAE WASHER	350314-20
a11	4	5/8” SAE WASHER	350348-80
a12	4	1/2-13 x 2” BOLT -GRADE 8	350703-00
a13	4	3/4” FLAT WASHER	350732-50
a14	2	BUSHING	205220-20
a15	2	FRAME BRACKET	B1080
a16	2	BUSHING CLAMP	B141
a17	1	AXLE BRACKET	B360
a18	1	AXLE BRACKET	B361
a19	1	AQUALUBE	400011-30

TruTrac Rod Kit Parts

ITEM	QTY.	DESCRIPTION	PART
b1	4	BUSHING	205209-00
b2	2	BUSHING SLEEVE	205504-00
b3	2	5/8-11 X 2” BOLT - GRADE 8	350453-00
b4	2	3/4-10 X 3 1/2” BOLT - GRADE 8	350182-10
b5	1	3/4-10 JAM NUT	350264-20
b6	2	3/4-10 NYLON INSERT LOCK NUT	350265-00
b7	2	5/8” FLAT WASHER	350731-00
b8	2	5/8” LOCK WASHER	350734-00
b9	1	RETAINING PLATE	B529
b10	1	ROD END	B532
b11	1	ROD END	B1140
b12	1	FRAME BRACKET	B562
b13	1	FRAME BRACKET	B563

Complimentary Part

c1	2	THREADLOCKER	200544-00

***Important:* All illustrations and specifications contained herein are based on the latest information available at the time of publication approval. ROADMASTER, INC. reserves the right to make changes at any time without notice in material, specification and models or to discontinue models.**

BOLT TORQUE REQUIREMENTS

Note: The torque values represented below are intended as general guidelines. Torque requirements for specific applications may vary. Roadmaster does not warrant this information to be accurate for all applications and disclaims all liability for any claims or damages which may result from its use.

STANDARD BOLTS

Thread Size	Grade	Torque
5/16-18	5	13 ft./lb.
3/8-16	5	23 ft./lb.
7/16-14	5	37 ft./lb.
1/2-13	5	57 ft./lb.
5/8-11	5	112 ft./lb.

METRIC BOLTS

Thread Size	Grade	Torque
6mm-1.0	8.8	6 ft./lb.
8mm-1.0	8.8	18 ft./lb.
8mm-1.25	8.8	16 ft./lb.
10mm-1.25	8.8	36 ft./lb.
10mm-1.5	8.8	31 ft./lb.

METRIC BOLTS

Thread Size	Grade	Torque
12mm-1.25	8.8	64 ft./lb.
12mm-1.5	8.8	60 ft./lb.
12mm-1.75	8.8	55 ft./lb.
14mm-2.0	8.8	88 ft./lb.

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Installation of Anti-Sway Bar:

1. If present, remove the lower engine cradle bracket. This may not be necessary, depending on vehicle variance. Remove the four factory nuts securing the lower engine cradle bracket that supports the electrical lines (Fig.B). Pull the bracket toward the engine and allow it to hang to provide access to the leaf spring hanger bolts.

2. On the passenger side only, remove the forward leaf spring hanger bolt. Begin by removing the factory nut from the bolt securing the leaf spring. Using the vehicle's leveling system, raise the front end of the coach to unload the suspension. Then remove the bolt (Fig.C). If necessary, use a drift pin or punch to assist in removal. The bolt will not be reused.

3. Install the B1080 frame bracket to the leaf spring hanger using the supplied 3/4" bolt and flat washer. Secure the bracket in place with the remaining flat washer and nut (Fig.C). Leave the bolt finger tight at this time. If the hole is misaligned, use the leveling system or a heavy-duty ratchet strap attached to the axle and frame horn to align the holes. A large C clamp (14–16") may be needed to compress the spring hangers.

4. Repeat the previous step on the driver's side. To access the leaf spring hanger bolt, turn the steering wheel fully to the right and have someone hold it.

5. With the suspension mostly loaded, remove the forward U-bolt nuts using a 1-1/8" socket. Install the axle bracket and the appropriate spacer washers between the axle and bracket (Fig.D). Refer to the assembly drawing for proper orientation. Apply red Threadlocker and torque the U-bolt nuts to 350 ft-lbs.

6. Prepare the anti-sway bar. With the assistance of a second person, loosely attach the bar to the lower frame bracket using the supplied 5/8" bolts, washers, and nuts. Rotate the bar upward to locate the bushing clamp positions. Lubricate and install the bushings and clamps. Rotate the bar back into place and secure the clamps using the supplied 1/2" bolts, flat washers, and nuts (Fig.E). Torque the 1/2" bolts to 80 ft-lbs.

7. Fully load the suspension and tighten the spring hanger bolts in the following order: lower frame bracket 5/8" bolt to 160 ft-lbs, then upper frame bracket 3/4" bolt to 280 ft-lbs.

8. Check the nut side of the 3/4" upper frame hanger bolt to ensure it is not contacting any hoses. If necessary, zip tie the hoses away from the bolt. Reinstall the lower engine cradle bracket and torque the factory nuts using red Threadlocker.

9. Recheck all fasteners, then test drive the vehicle. After the test drive, recheck all fasteners again.

⚠ WARNING

The anti-sway bar is heavy, and may cause property damage or personal injury if it falls on equipment, engine components or any part of your body. Ensure that the anti-sway bar is supported and that you are out of the way when removing the brackets.

Failure to follow these instructions may cause property damage, personal injury or even death.

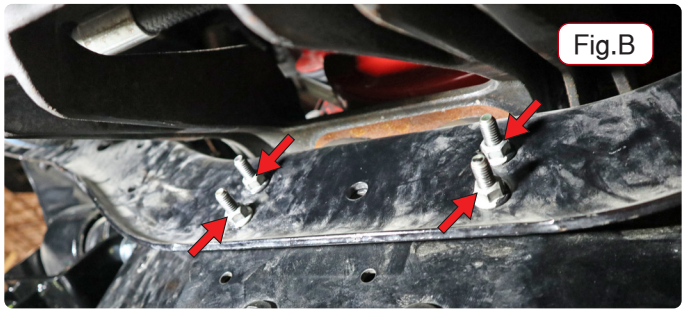
Fig.B


Fig.C

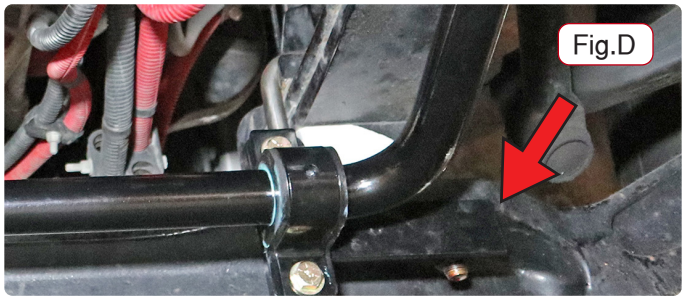
Fig.D

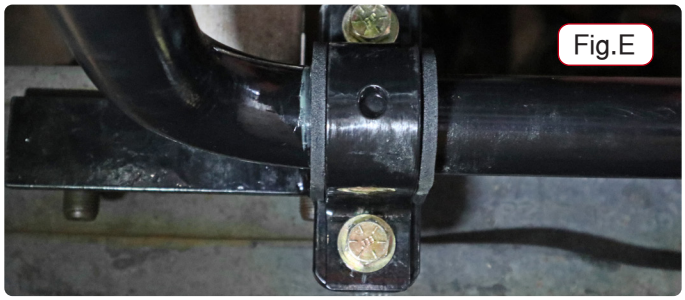
Fig.E

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Installation of Trac Rod:

1. Ensure that the suspension is loaded before proceeding. Now, place the B563 frame bracket on the outside of the bottom rail on the driver's side frame rail behind the axle and loosely secure it with the B529 retaining plate and supplied 5/8" x 2" bolts, 5/8" flat washers and 5/8" lock washers.

2. Remove the nuts on the rear U-bolt on the passenger side of the front axle. Place the B562 axle bracket on the U-bolt (Fig.F), and replace and torque the nuts that were previously removed to 140-150 ft.-lbs. *Note: The view in Figure F is shown from the bottom of the frame bracket.*

3. Insert the ¾" x 4" bolts through the end of the Trac Rod so that they face the front of the vehicle. Adjust the bar until both bolts easily slide through the bracket and the bar, and then finish with ¾" Nylock nuts. Tighten both of the ¾" x 4" bolts only enough so that the bolts are snug in the bracket but do not put pressure on the ends of the bar.

4. Tighten the jam nut on the bar. Check to make sure that no wires, hoses, or lines are being obstructed and then test drive. The installation is now complete, and should appear (Fig.G).

5. Recheck all fasteners, then test drive the vehicle. After the test drive, recheck all fasteners again.

Note: Figure H shows final install.

⚠ WARNING

Both components are not load-bearing components!

Do not tow or hoist the vehicle using the anti-sway bar or its mounting brackets or the Trac Rod or any of its mounting brackets as attachment points. The anti-sway bar and trac rod are not designed to carry the weight of the vehicle and may collapse, which will damage the anti-sway bar components, the suspension, or other components. The vehicle will detach or fall, which may cause severe personal injury.

Failure to follow the instructions in this packet and the warnings therein may result in property damage, personal injury or even death.

⚠ WARNING

After road testing, re-check all fasteners for proper tightness – if a fastener has worked loose or fallen off, re-tighten or replace it. Without all kit components properly tightened or in place, the anti-sway bar will not stabilize the vehicle at full capacity, which may cause reduced cornering ability or other reductions in vehicle handling or performance.

Failure to follow these instructions may cause property damage, personal injury or even death.


Fig.F


Fig.G


Fig.H