

INSTALLATION INSTRUCTIONS

PRIMARY APPLICATION

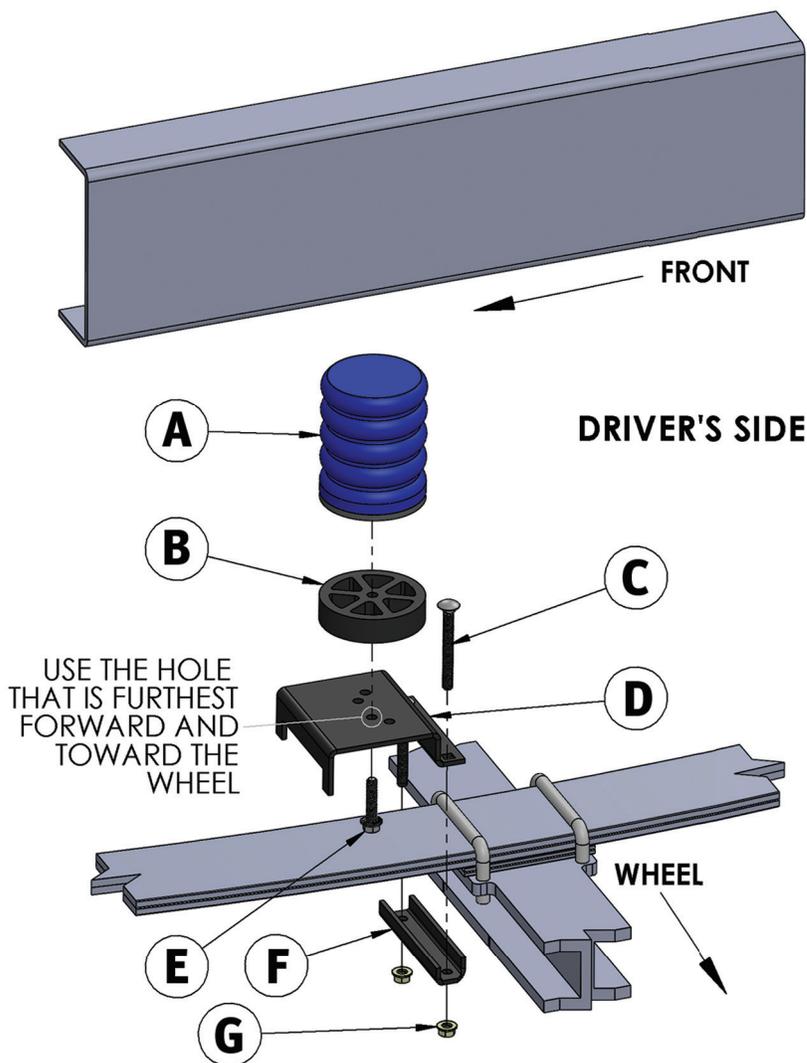
- Freightliner M6 102 (2001-2019)

TOOLS REQUIRED

- 1 - Floor Jack
- 2 - Jack Stands
- 2 - 9/16" wrench

PARTS LIST

Item	Part #	Description	QTY
A	511440-38	SumoSprings Blue -40	2
B	512117	4" x 1" Spacer	2
C	512211	3/8" x 3-1/2" Carriage Bolt	4
D	512110	Mounting Bracket	2
E	512274	3/8" x 1-3/4" Flange Bolt	2
F	512042	Clamp Bracket	2
G	512302	3/8" Locking Flange Nut	4
H	512207	3/8" x 3/4" Flange Bolt (not in diagram)	2



INSTALLATION INSTRUCTIONS

1. Park vehicle on hard level surface and engage emergency brake.
 - A. Place blocks in front and behind rear wheels to prevent rolling.
 - B. Observe all safety precautions and wear safety glasses.
2. Raise front of vehicle allowing the axle to hang freely. Support the frame using safety jack stands.
3. Starting on the driver's side, attach the SumoSprings (ITEM A) and 1" spacer (ITEM B) to the mounting bracket (ITEM D) using the 3/8" x 1-3/4" flange bolt (ITEM E). Use mounting hole as noted in diagram.
4. Torque the bolt to 25 ft. lbs.
5. Place the bracket with attached SumoSprings on top of the factory leaf pack just ahead of the axle. Be sure to place the flange for the mounting bolts toward the rear and the notch for the leaf spring to the front.
6. Place the two 3/8" x 3-1/2" carriage bolts (ITEM C) through the holes in the mounting bracket.
7. Slide the clamp bracket (ITEM F) over the ends of the carriage bolts ensuring that the "U" shape is facing up.
8. Fasten securely using the two 3/8" locking flange nuts (ITEM G). Tighten by hand so they are tight but do not over-tighten causing the bracket to bend.
9. Repeat steps three through eight on the passenger's side of the vehicle.
10. Jack up vehicle, remove safety jack stands.
11. Carefully lower vehicle to the hard surface. Remove the blocks in front and back of the rear wheels.
12. Release emergency brake.