

FRD120

FREIGHTLINER

Rear suspension package

INSTALLATION INSTRUCTIONS

- a) **LEAF SPRING:** With vehicle unloaded measure 5" from the Timbren frame bracket to axle pad.
- b) **AIR SUSPENSION:** With vehicle unloaded & full air pressure measure 5" from the Timbren frame bracket to axle pad.
- c) When positioning frame bracket ensure that the Aeon spring rests over center of axle pad.
- d) Drill holes for Timbren bracket providing for at least four 1/2" Gr.8 bolts through the bracket & frame.
- e) Bolt frame bracket to frame using existing holes where possible.
- f) Assemble Aeon spring to bracket as shown in adjacent diagram.
- g) Mount Timbren assembly to truck frame.
- h) Weld Timbren lower assembly to axle.

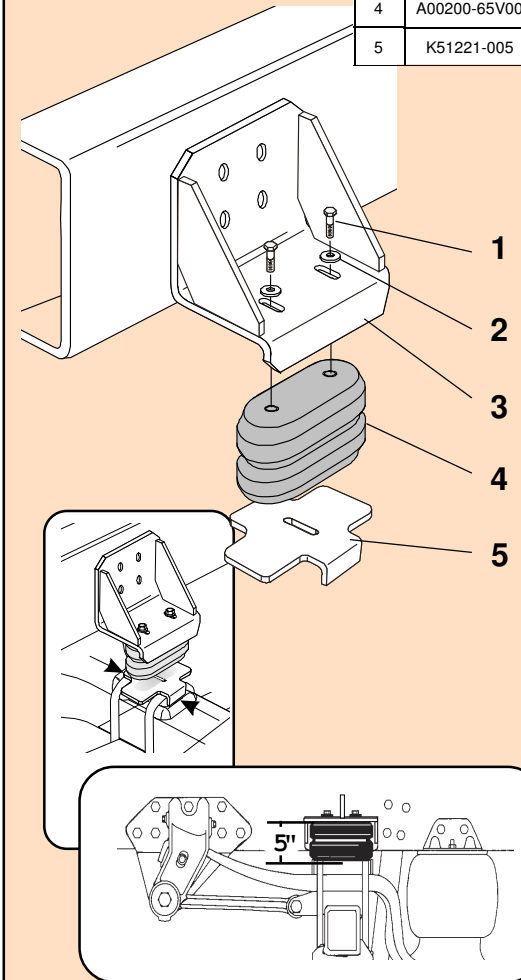
SAFETY CAUTIONS

Ensure sufficient clearance between frame bracket & tire.
Always refer to and follow the vehicle manufacturer's guidelines when welding or drilling during installation of this kit.

Do not exceed vehicle manufacturer's recommended axle weight rating. Check for AEON® interference with vehicle components - Under load AEON® will "expand" in diameter.

Ref. = Reference
Part = Part #.
Qty. = Quantity

| Ref | Part | Qty |
|-----|--------------|-----|
| 1 | F11102-150 | 4 |
| 2 | F40052-020 | 4 |
| 3 | K10344-003 | 2 |
| 4 | A00200-65V00 | 2 |
| 5 | K51221-005 | 2 |



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| PART NUMBER | DESCRIPTION | QTY | LOCATION |
|---------------------|--|----------|-------------|
| F40052-020 | WASHER FLAT USS 1/2 x 1-3/8 GR 2 Z | 4 | G1D |
| F11102-150 | HCS 1/2 x 1-1/2 UNF GR 5 Z | 4 | G1D |
| A00200-65V00 | Hollow Rubber Spring | 2 | C17A |
| K10344-003 | WELDMENT; PAINTED | 2 | D7D |
| K51221-005 | FORMED PLATE 3/8 x 6 x 8-17/32 PAINTED | 2 | D7D |
| B90224 | 12 x 11 x 8-1/2" DW Carton | 1 | A1A |
| B10100 | NEWSPRINT 18" ROLL | 1 | |
| B00029-010 | BARCODE LABEL FOR KIT | 1 | |

Clearance Instructions:

Rear SES Kits for Pick-Ups and Vans should have a 1/2" to 1-1/2" gap between the rubber spring and contact point when empty.

A partial load, or vehicle accessories will reduce or eliminate the gap.

Front SES kits are usually in full contact.

Medium and Heavy-Duty Trucks, Trailers and Motorhomes will be in constant contact, and have no gap.