

# FF150F

## FORD

### Front suspension package Ensemble pour suspension avant Ensemble para suspensión de delantero

#### INSTALLATION INSTRUCTIONS

- Raise vehicle allowing the axle to hang freely.
- Clean out any debris inside OEM frame extension and insert fastener weldment (#1) through side of frame opening.
- Mount Timbren assembly to truck frame.
- Assemble Aeon rubber spring as shown in the adjacent diagram.
- Place rubber grommet over brakeline. Insert rubber grommet and brakeline into weldment cutout to secure.
- Lower vehicle.

#### NOTES:

Engage four wheel drive and turn wheels full lock both directions to ensure there is no interference with Timbren assembly.

Check that brake line or brake cable locations do not interfere with Aeon spring bracket.

#### INSTRUCTIONS DE MONTAGE

- Soulever le véhicule de sorte que l'essieu soit dégagé.
- Nettoyez tous les débris à l'intérieur du cadre ralongé d'origine et insérez la pièce de serrage dans l'ouverture sur le côté du cadre.
- Monter l'assemblage Timbren au cadre du camion.
- Assembler le ressort en caoutchouc Aeon comme il est indiqué dans le schéma adjacent.
- Mettre la bague caoutchoutée sur la conduite de frein. Insérer la conduite de frein avec la bague caoutchoutée dans l'échancrure pour la retenir.
- Redescendre le véhicule.

#### REMARQUES:

Mettre en marche la commande à quatre roues motrices et tourner la direction jusqu'à sa limite dans les deux sens, pour s'assurer qu'il n'y ait aucune interférence avec le kit SES de Timbren. Vérifier que les emplacements de la conduite de frein et du câble de frein ne nuisent pas au support du ressort Aeon.

#### INSTRUCCIONES DE INSTALACIÓN

- Levante el vehículo dejando que los ejes cuelguen libremente.
- Limpie cualquier desecho dentro de la extension de origen e inserta el montaje soldado a través el lado del tubo.
- Monte la unidad Timbren al chasis del camión.
- Ensamble el resorte de caucho Aeon como se muestra en el diagrama adyacente.
- Poner el el ojal de caucho sobre la conducta de freno. Insertar el couduite de freno con el ojal de caucho en la muesca para retenerlo.
- Baje el vehículo.

#### NOTAS:

Empezar el pedido a cuatro ruedas motrices y volver la dirección a su límite en los dos sentido, para garantizar que no hay ninguna interferencia con el equipo SES de Timbren.

Verifique que la ubicación de la tubería de freno o del cable del freno no interfiera con la abrazadera del resorte Aeon.

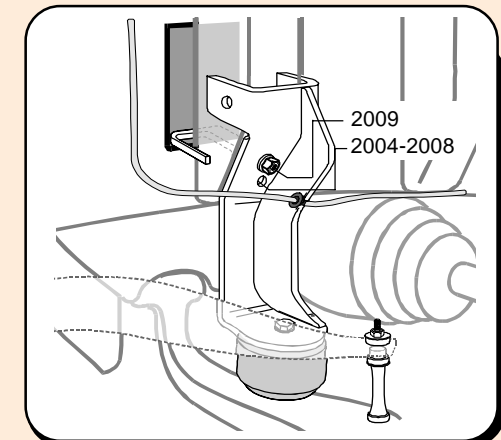
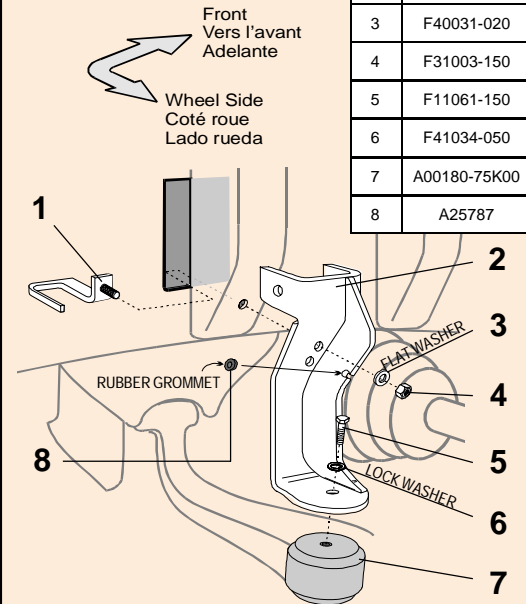
Do not exceed vehicle manufacturer's recommended axle weight rating. Check for AEON® interference with vehicle components - Under load AEON® will "expand" in diameter.

Ne pas dépasser le poids nominal sur l'essieu recommandé par le fabricant du véhicule. Vérifier que le ressort AEON® n'a pas d'incidence sur d'autres pièces du véhicule - Le ressort AEON® augmentera son diamètre avec la charge.

No exceda la carga nominal en el eje recomendada por el fabricante del vehículo. Compruebe que no haya interferencia entre el resorte AEON® y los otros componentes del vehículo. Bajo carga, el resorte AEON® se amplía en diámetro.

Ref. = Reference = No. de référence = Núm. de referencia  
Part = Part #. = No. de pièce = Núm. de pieza  
Qty. = Quantity = Quantité = Cantidad

Ref	Part	Qty
1	K10461-003	2
2	K10462D-003	1L-1R
3	F40031-020	2
4	F31003-150	2
5	F11061-150	2
6	F41034-050	2
7	A00180-75K00	2
8	A25787	2



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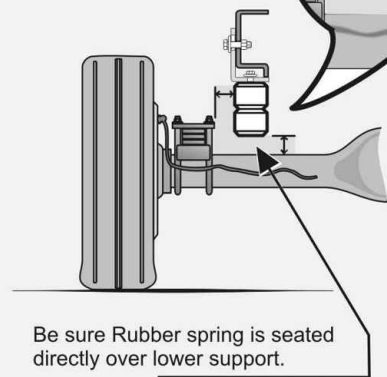
# TIMBREN SES

## Suspension Enhancement Systems



Ride Quality Control

Typical Light Duty Installation

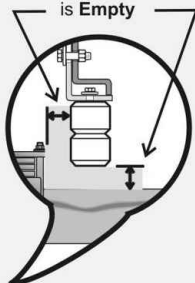


Be sure Rubber spring is seated directly over lower support.

Typical Medium & Heavy Duty Installation



Check clearance when Vehicle is Empty



Timbren Industries Inc. ©

### Clearance Instructions

#### For Light Duty Pickups & Vans

Rear SES kits should have approximately 1" gap between rubber spring and axle for 1/2 and 3/4 tons, and for one ton the gap should be about 1/2" when the vehicle is completely unloaded. A cap or fifth wheel plate will reduce or eliminate this gap.

Front SES kits are usually in contact with the front suspension at all times.

#### For Medium Duty & Heavy Duty Trucks, Trailers, Motor Homes, and more

Medium & Heavy Duty vehicles often have pre-load as outlined in the instruction sheet. (For specific Medium Duty applications with a constant load on the suspension like Rvs, Utility Vans or Cube Vans, the Timbren SES kits are pre-loaded.)

**Check clearances when vehicle is empty...**

### Consider Your Needs..!

Knowing the use of the vehicle will help you to select the right SES kit. For example a one ton truck can be configured as a pick-up, service vehicle or tow truck. Standard capacity or severe service applications are available for many applications.

Knowing that the suspension has been modified or is old and sagging should indicate the need to adjust the ride height to obtain the correct clearance.

This can be done by altering the SES kit (changing rubber spring or bracket) or re-arching the leaf springs to renew the optimum OEM ride height.

## Lifetime Warranty

TIMBREN SES kits are warranted against defects in material and workmanship, under normal use and service, for the life of the vehicle on which the kit was originally installed. The warranty is not transferable and proof of purchase is required. The warranty is limited to the replacement of the failed part. TIMBREN will not be responsible for any labour or freight charges involved in the replacement of any product. TIMBREN shall be entitled to make its own inspection to determine the validity of the warranty claim. TIMBREN shall not be liable nor warrant the product in the event of alteration, misuse, overload, negligence or damage caused by others.

If ride or performance of our product is unsatisfactory in any way, please call:

**TIMBREN INDUSTRIES INC.**

**1-800-263-3113**



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