

**VFVHD****VOLVO**

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

**INSTALLATION INSTRUCTIONS**

- Raise vehicle allowing the axle to hang freely.
- Timbren frame bracket assembly will be bolted to frame using existing holes where possible to ensure that the Timbren assembly is installed behind the U-bolt pad.
- Position Timbren bracket on frame centered over leaf spring or axle & drill 2 holes (41/64"OD) using frame bracket as template.
- Assemble Aeon rubber spring and bracket as shown in the adjacent diagram.
- Mount Timbren assembly using Timbren supplied fasteners.
- Lower vehicle.

**INSTRUCTIONS DE MONTAGE**

- Soulever le véhicule de sorte que l'essieu soit dégagé.
- L'assemblage du support du cadre Timbren sera fixé à l'aide de boulons au cadre en utilisant les trous existants, lorsque possible, pour s'assurer que l'assemblage Timbren est installé sous le coussin du boulon en U.
- Placer le support Timbren sur le cadre centré sur le ressort à lames ou l'essieu et percer 2 trous (41/64 po de diamètre extérieur) en utilisant le support du cadre comme gabarit.
- Assembler le ressort en caoutchouc Aeon et le support comme il est indiqué dans le schéma adjacent.
- Monter l'assemblage Timbren en utilisant la boulonnerie fournie avec l'assemblage Timbren.
- Redescendre le véhicule.

**INSTRUCCIONES DE INSTALACIÓN**

- Levante el vehículo dejando que los ejes cuelguen libremente.
- La unidad de abrazadera de chasis Timbren será atornillada al chasis utilizando los orificios existentes donde sea posible para asegurarse que la unidad Timbren está instalada detrás del cojín amortiguador del perno "U".
- Coloque en posición la abrazadera Timbren en el chasis centrada sobre el resorte de ballesta o el eje y perforo 2 orificios (41/64" Diámetro externo) utilizando la abrazadera como plantilla.
- Ensamble el resorte de caucho Aeon y la abrazadera como se muestra en el diagrama adyacente.
- Monte la unidad Timbren utilizando los elementos de sujeción Timbren provistos.
- Baje el vehículo.

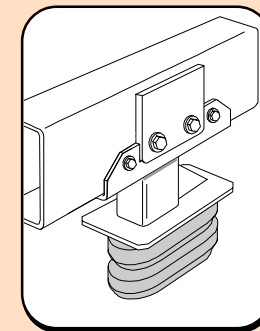
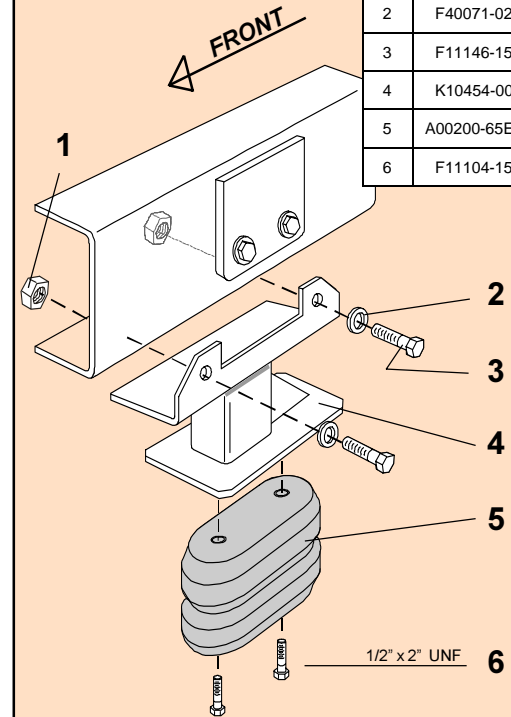
Do not exceed vehicle manufacturer's recommended axle weight rating. Check for AEON® interference with vehicle components - Under load AEON® will "expand" in diameter.

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 ampliará 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	F31007-150	4
2	F40071-020	4
3	F11146-150	4
4	K10454-005	1L-1R
5	A00200-65E60	2
6	F11104-150	4



VFVHD



Ride Quality Control

# TIMBREN SES

Suspension Enhancement Systems

Typical Light Duty & Medium Duty Installation



Check clearance when Vehicle is Empty



Be sure Rubber spring is seated directly over lower support.

Typical Heavy Duty Installation



## 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.

## Limited 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 is unsatisfactory in any way, please call:

**TIMBREN INDUSTRIES INC.**

**1-800-263-3113**

www.timbren.com  
email: sales@timbren.com