

TRA15252A

Suspension package for trailer Ensemble pour suspension de remorque Ensemble para suspensión de remolque

INSTALLATION INSTRUCTIONS

- Insert bolt #1 into countersunk hole of Timbren top plate #3 and tack weld into place.
- Create frame bracket assembly by welding bracket #2 to plate #3. Ensure that bolt #1 is centered over U-bolt pad.
- Position upper bracket assembly above center line of leaf spring & drill three 1/2" holes through bracket assembly & frame.
- After weldment has cooled, mount Aeon rubber spring onto frame bracket assembly using Timbren fasteners supplied.
- Configure items #6, #7, #8, welding them together to obtain a 4" space (unloaded) between lower plate (item #6) and upper frame bracket. (Use diagrams on page 2 as a guide)
- Weld lower disc assembly to U-bolt pad.

NOTES

Use zinc based paint or galvanized sheet metal between aluminum frame and steel components to minimize galvanic reactions.

SAFETY CAUTIONS

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.

INSTRUCTIONS DE MONTAGE

- Mette le boulon no 1 dans la fraisure de la plaque supérieure Timbren no 3 et la soudure de pointage en place.
- Faire l'assemblage du support du cadre en soudant le support no 2 à la plaque no 3. Veiller à ce que le boulon no 1 soit centré sur le coussin du boulon en U.
- Placer l'assemblage du support supérieur au-dessus de la ligne centrale du ressort et percer trois trous de 1/2 po dans l'assemblage du support et le cadre.
- Monter le ressort en caoutchouc Aeon sur l'assemblage du support du cadre en utilisant la boulonnerie fournie avec l'assemblage Timbren après que l'ensemble soudé eut refroidi.
- Configurer les articles nos 6, 7 et 8, en les soudant ensemble afin d'obtenir un espace de 4 po (non chargé) entre la plaque inférieure (article no 6) et le support supérieur du cadre (utiliser les schémas à la page 2 à titre de guide).
- Souder l'assemblage du disque inférieur au coussin du boulon en U.

REMARQUES:

'Pour réduire au minimum la corrosion électrolytique des matériaux il est recommandé d'utiliser une tôle galvanisée ou de la peinture à base de zinc entre le cadre d'aluminium et les composants en acier.

MESURES DE SÉCURITÉ

Se référer aux directives du fabricant et les suivre en tout temps lors du soudage ou du perçage en ce qui concerne l'installation du présent ensemble.

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.

INSTRUCCIONES DE INSTALACIÓN

- Inserte el perno #1 en el orificio avellanado de la placa superior Timbren #3 y suelde por puntos en el sitio.
- Forme la unidad de la abrazadera del chasis soldando la abrazadera #2 a la placa #3. Asegúrese de que perno #1 esté centrado sobre el cojín amortiguador del perno "U".
- Coloque en posición la unidad de la abrazadera superior sobre la línea central del resorte de ballesta y perforo tres orificios de 1/2" a través de la unidad de la abrazadera y el chasis.
- Después de que se haya enfriado la soldadura, monte el resorte de caucho Aeon sobre la unidad de abrazaderas del chasis utilizando los elementos de sujeción Timbren provistos.
- Configure los ítems #6, #7, #8, soldándolos entre sí para obtener un espacio de 4" (sin carga). Entre la placa inferior (ítem #6) y la abrazadera superior del chasis. (Utilice los diagramas en la página 2 como guía)
- Suelde la unidad del disco inferior al cojín amortiguador del perno "U".

NOTAS:

Para reducir al mínimo la corrosión electrolytica de los materiales se recomienda utilizar una chapa galvanizada o de la pintura a base de cinc entre el marco de aluminio y los componentes en acero.

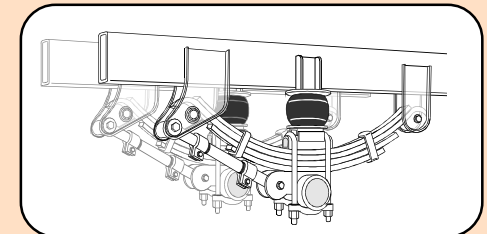
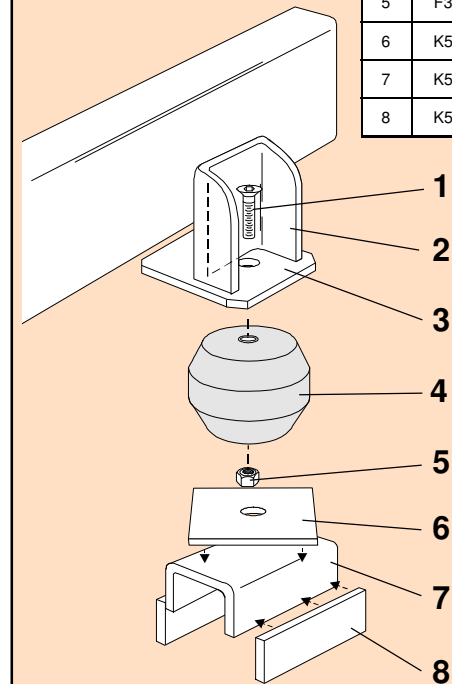
PRECAUCIONES DE SEGURIDAD

Siempre consulte y siga las instrucciones del fabricante del vehículo al soldar o perforar durante la instalación de este kit.

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 = No. de referencia
Part = Part #. = No. de pièce = No. de pieza
Qty. = Quantity = Quantité = Cantidad

Ref	Part	Qty
1	F12106-253	2
2	K51104-005	2
3	K52139-005	2
4	A01525-75G70	2
5	F31005-250	2
6	K52195-005	2
7	K51129-005	2
8	K52154-005	4



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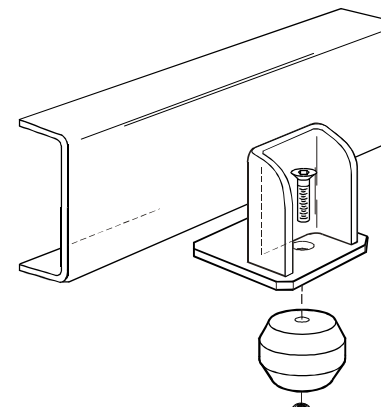
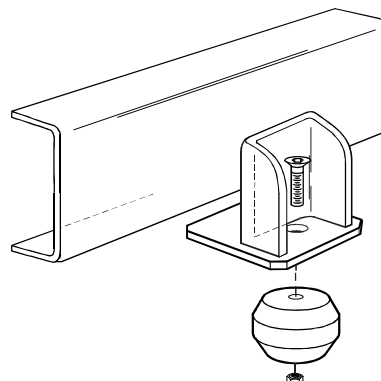
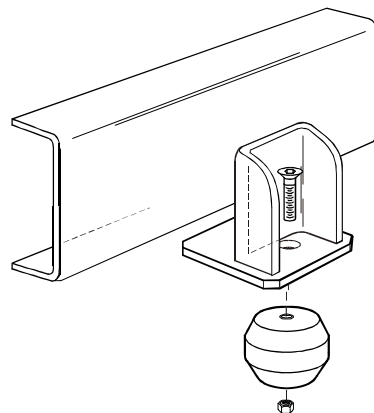
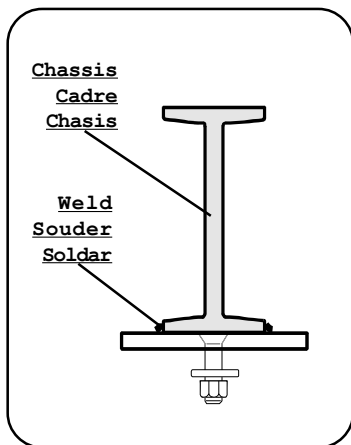
Suspension package for trailer
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Note:

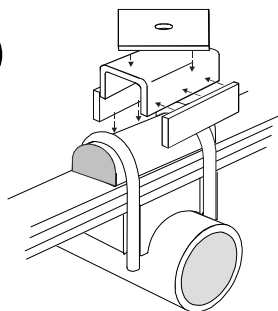
Chassis frames and suspension mounting can be mixed and match.

Les cadres et supports de suspensions peuvent être intervertis selon le besoin.

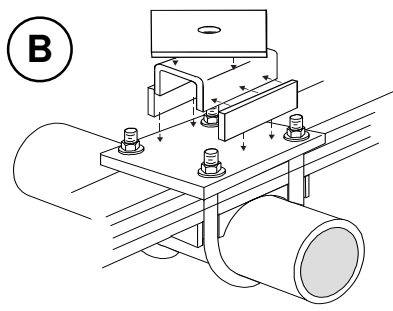
Mezclar chasis y las abrazaderas de suspensiones de acuerdo.



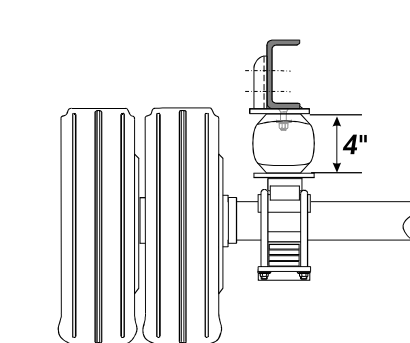
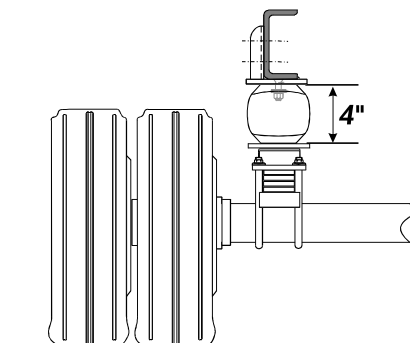
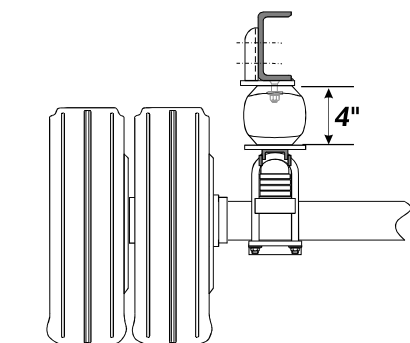
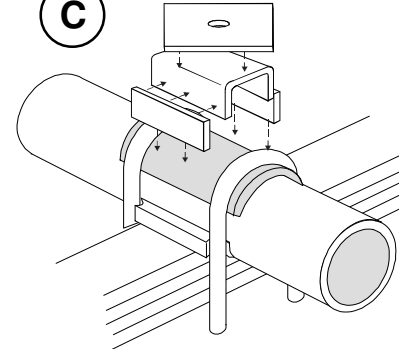
A



B



C



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TIMBREN SES

Suspension Enhancement Systems

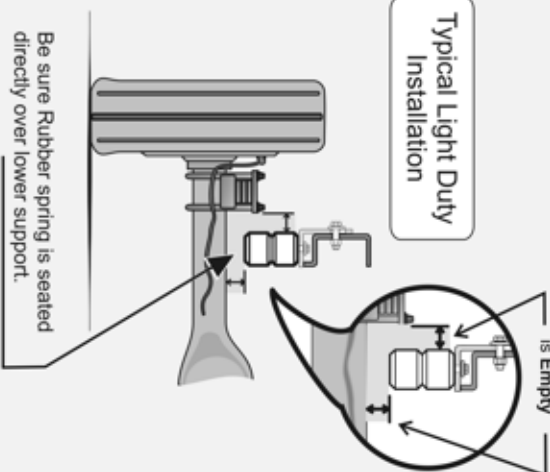
Clearance Instructions



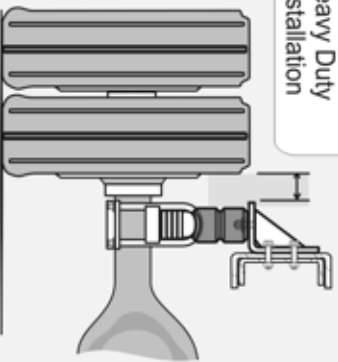
Ride Quality Control

Check clearance when Vehicle is Empty

Typical Light Duty Installation



Typical Medium & Heavy Duty Installation



Timbren Industries Inc. ©

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

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

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

TIMBREN INDUSTRIES INC.

1-800-263-3113



www.timbren.com

email: sales@timbren.com