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W21-760-3450

Ford Transit

Square Axle, Single Rear Kit

INSTALLATION INSTRUCTIONS

All work should be carried out in a properly equipped workshop with due regard to Health and Safety Regulations. No further reference to Health and Safety Regulations will be made, but they must be considered at all times.

The kit should be opened and the contents checked against the parts list provided. Identify the various components and familiarise yourself with them using drawings and information provided.

WARNING

Do not inflate this assembly when it is unrestricted. When installed, a minimum of 10 psi should be maintained in the air bellows at all times to avoid damage. Do not inflate beyond 100 psi.

IMPORTANT

This kit is not designed to increase the GVW of your vehicle. For your safety and to prevent possible damage to your vehicle, do not exceed the maximum load recommended by the vehicle manufacturer.



Parts List

Description	Quantity
Bottom Bracket	2
Top Bracket	2
M10x30 Bolts	2
M10 Flat Washers	2
M10 Inserts	2
M8x20 Bolts	2
M8x25x2 Flat Washers	2
M8x100 Bolts	4
M8 Locknuts	4
Cable Ties	10

Description	Quantity
M10x25 Flat Head Allen Bolts	2
Heat Shield	1
255C 1/4" NPT Air Bellows	2
18 ft. 1/4" Tubing	1
3/8-16 Flange Locknut	4
3/8-16 x 3/4 Flange Lock Bolt	2
1/4" Elbow	2
1/4" Inflation Valve	2
5/16 Flat Washer	4
1/4" Tee Piece	1

INSTALLATION:

Mount Upper Bracket to Bellows:

The top of the bellows has two studs and an air entrance hole. Attach the upper bracket to the top of the bellows using the 3/8" hex nuts and spring washers provided making sure that the air entrance hole is exposed in the bracket opening.



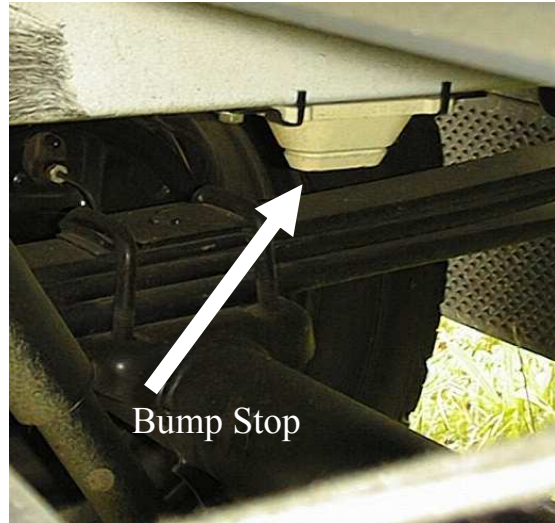
Install the Elbow Fitting:

Install the elbow fitting in the air entrance hole on the top plate of the bellows. The elbow air fittings in your kit has a coating of thread sealant already applied to the threads. No addition sealant is needed. Tighten until the elbow is pointing away from the tyre and any sharp edges (see drawing). Next, cut the air line into two equal lengths, making the cut as square to the axis of the tubing as possible. Do not fold the tubing to cut it in half. This would create an uneven cut and a potential for leaks. Insert one end of the tubing into the elbow and push until a positive click is felt.



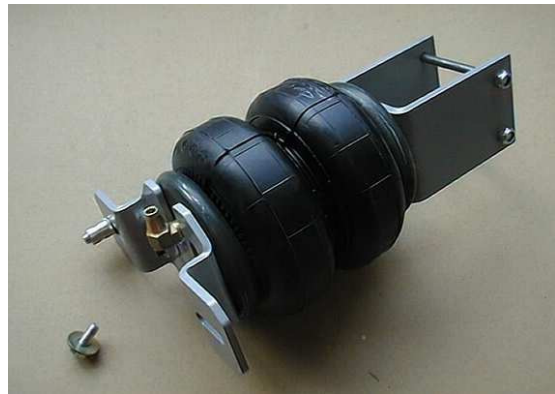
Remove the Rubber Bump Stops:

Your vehicle is equipped with a rubber bump stop which is bolted to the chassis frame. Remove this bump stop and discard. The original bump stop is mounted with 2 X M8 bolts in 2 threshold holes. These 2 holes are used to mount the upper bracket. If in your case, only one threshold hole is available, then you must use the hole that is on the chassis frame. This hole must be drilled out to 14.5mm. Then using the M10 insert the top bracket is mounted. Therefore, using one M8 threshold hole and one M10 insert located in the 14.5mm hole.

**Mount Lower Bracket to Bellows:**

The lower bracket contains a simple U-profile, which is pushed up under the axle.

Note: It must be ensured that no brake hoses are damaged when mounting the kit.

**Mount Kit on Vehicle:**

The illustration shows the installed kit. Shown here with an additional heat shield for the protection of the bellows beside the exhaust pipe (right side).



INSTALL THE AIR LINE

Select locations on the vehicle for the air inflation valves. The locations can be on the bumper or on the body of the vehicle. Drill a 5/16" hole and install the air inflation valve. Run the tubing from the bellows to the valve, routing it so that it will be protected from the direct heat of the exhaust system, and away from sharp edges. Secure the tubing in place with nylon ties.

CHECK THE AIR SYSTEM

Once the inflation valves are installed, inflate the bellows to the recommended pressure and check the fittings for air leaks with a solution of soap and water. If a leak is detected at a tubing connection then check to make sure that the tube is cut as square as possible and that it is pushed completely into the fitting. If a leak is detected where the elbow fitting screws into the spring, then screw the elbow into the spring one additional turn until the leak stops.

This completes the installation. To prevent possible damage, maintain a minimum of 20 psi in the air bellows at all times!

FAILURE TO MAINTAIN MINIMUM PRESSURE WILL VOID YOUR WARRANTY

