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W21-760-3001

Ford Transit

Round Axle

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	Description	Quantity
224 STYLE AIR BELLOWS	2	3/8" LOCK WASHER	8
UPPER BRACKET	2	M10 X 40 HEX HEAD BOLT	8
LOWER BRACKET	2	M10 HEX NUT	8
BRACKET STRAP	4	10 MM LOCK WASHER	16
HEAT SHIELD	1	1/4" ELBOW	2
M12 X 30 HEX HEAD BOLT	2	1/4" TEE PIECE	1
1/2" LOCK WASHER	2	1/4" INFLATION VALVE	2
3/8" - 16 UNC X 3/4" BOLT	4	NYLON TIES	15
3/8" - 24 UNF HEX NUT	4	1/4" TUBING 18 FT	1

INSTALLATION:

STEP 1: FIT THE UPPER BRACKET

Your vehicle is equipped with a rubber bump stop which is threaded into the frame directly above the axle. Remove this bump stop and discard.

Bolt the upper bracket and support plate in place, locating them under the chassis, using the bump stop hole and the M12 bolt provided (see diagram).

STEP 2: MOUNT LOWER BRACKET TO BELLOWS

Fasten the bellows to the lower bracket, as shown in diagram, using 3/8" hex bolts and spring washers provided.

STEP 3: INSTALL THE AIR FITTING

Install the elbow in the air inlet hole on the top plate of the bellows. Next, cut the air line into two equal lengths, making the cut as square to the axis of the tubing as possible. Insert the air line into the elbow and push until a positive click is felt.

STEP 4: MOUNT THE SUB-ASSEMBLY

Place the sub-assembly on the axle and position so that the lower bracket rests on the axle as shown in diagram.

The top of the bellows has two studs which should be bolted through the slots cut into the top bracket. These slots allow you to position the air bag with enough clearance from the spring pack. Fasten the bellows to the upper bracket using 3/8" hex nuts and spring washers.

Position the lower bracket so that it is level on the axle and bolt in place using the carriage bolts and channel bracket straps provided.

STEP 5: 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. Attach the end of the air line tubing to the inflation valve.

Once the inflation valves are installed, inflate the bellows to the recommended pressure and check the fittings for air leaks. 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 brass elbow fitting screws into the spring, then screw the elbow into the spring one additional turn until the leak stops.

