



Unit 626 Kilshane Avenue, North West Business Park, Ballycoolin, Dublin 15, Ireland
Telephone: +353 1 8612 632, Fax: +353 1 8612 647, email: sales@driveriteltd.com

W21-760-2053

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.

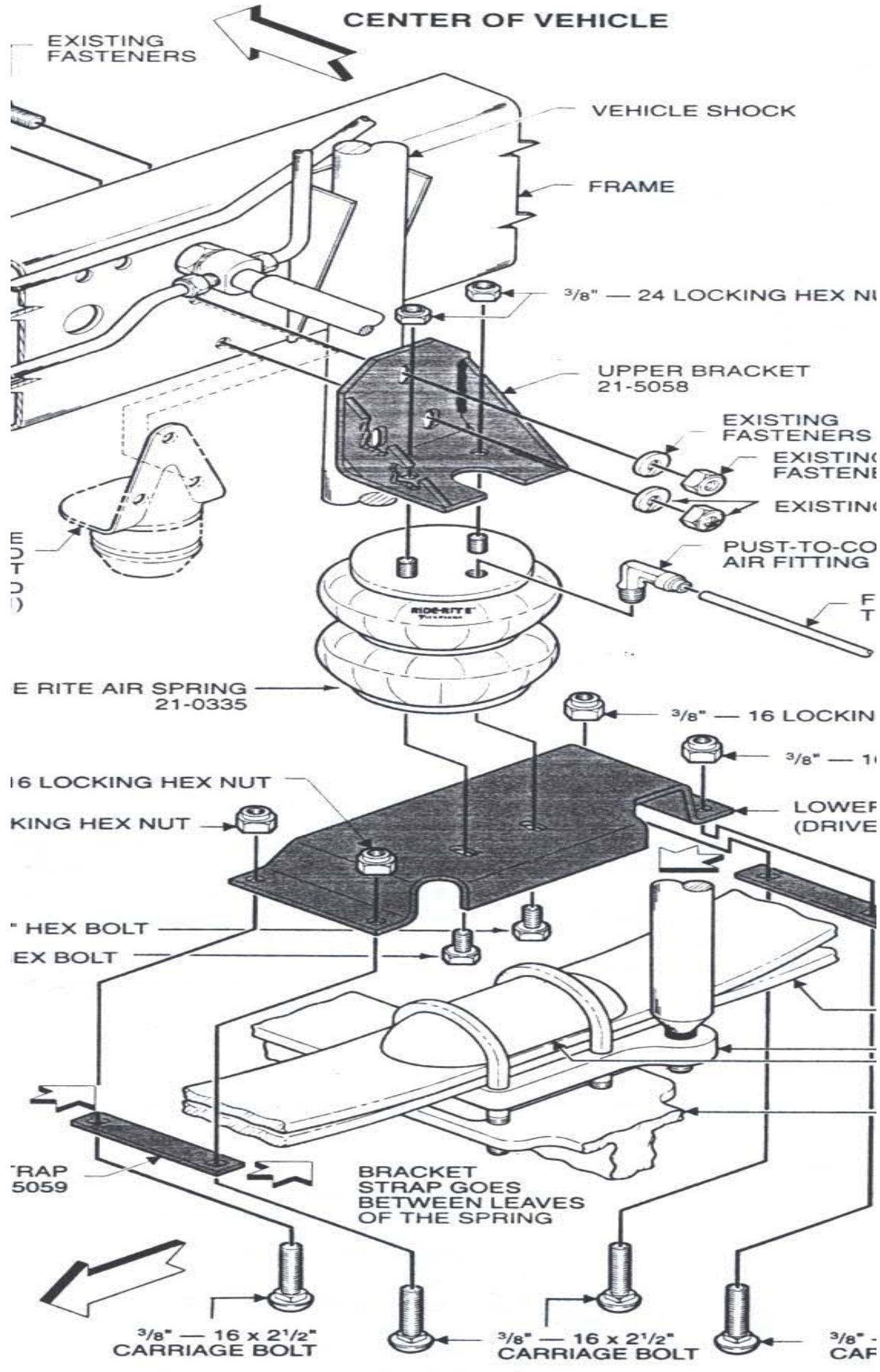
Identify the various components and familiarise yourself with them using drawings and information provided.

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.



EXHAUST

RIDE-RITE AIR SPRING
21-0335

16 LOCKING HEX NUT

16 LOCKING HEX NUT

1/2" HEX BOLT

1/2" HEX BOLT

TRAP
5059

BRACKET STRAP GOES
BETWEEN LEAVES
OF THE SPRING

$\frac{3}{8}$ " — 16 x 2 1/2"
CARRIAGE BOLT

$\frac{3}{8}$ " — 16 x 2 1/2"
CARRIAGE BOLT

$\frac{3}{8}$ " — 16 x 2 1/2"
CARRIAGE BOLT

VEHICLE SHOCK

FRAME

$\frac{3}{8}$ " — 24 LOCKING HEX NUT

UPPER BRACKET
21-5058

EXISTING FASTENERS

EXISTING FASTENERS

EXISTING FASTENERS

PUSH-TO-CO
AIR FITTING

EXHAUST

$\frac{3}{8}$ " — 16 LOCKING HEX NUT

$\frac{3}{8}$ " — 16 LOCKING HEX NUT

LOWER DRIVE SHAFT

INSTALLATION INSTRUCTIONS

STEP 1 — PREPARE THE VEHICLE

This vehicle need not be jacked up for installation of this kit. Your vehicle is equipped with a rubber jounce bumper located on a bracket directly over the front axle. To remove this bumper, you will need to open the hood and loosen the heat shield located on the inside of the frame. Remove this bumper and discard, be sure to save the nuts and bolts that were used to remove the jounce bumper. These fasteners will be used to attach the upper Ride-Rite bracket.

STEP 2 — PREASSEMBLE THE RIDE-RITE KIT

Take one of the air springs supplied with your kit and install the push-to-connect elbow air fitting supplied. The elbow air fittings in your kit have a coating of thread sealant already applied to the threads. No additional thread sealant is needed. Tighten until the elbow is pointing towards the tire and away from any sharp edges (see figure "A").

Take the lower bracket from your kit which matches the bracket shown in figure "A". Secure the bellows to the lower bracket using two $\frac{3}{8}$ " — 16 x $\frac{3}{4}$ " self locking hex bolts. Next take upper bracket and secure to bellows using two $\frac{3}{8}$ " — 24 self locking nuts (see figure "A").

STEP 3 — INSTALLATION OF KIT ASSEMBLY TO THE VEHICLE

Set the preassembled kit on the left or driver's side leaf spring as shown in figure "A". Align the slots in the upper bracket with the holes in the frame as shown in figure "A". Making sure the upper bracket is flush with the bottom of the frame, bolt it in place with fasteners saved from jounce bumper removal. Reinstall the heat shield.

Next the lower bracket must be seated on the leaf spring so the assembly is in vertical alignment. Insert the bracket straps between the leaves of the spring as shown. Secure the lower bracket assembly and bracket straps to the leaf spring using four $\frac{3}{8}$ " — 16 x 2 $\frac{1}{2}$ " carriage bolts and four $\frac{3}{8}$ " — 16 self locking hex nuts (see figure "A").

STEP 4 — COMPLETE THE INSTALLATION

Select locations on the vehicle for the air inflation valves. The locations can be on the bumper or on the body of the vehicle, but be sure that it is protected so that the valve will not be damaged and will still be accessible for the air chuck. Drill a $\frac{5}{16}$ " hole and install the air inflating valve using two flat washers per valve as supports, as illustrated in figure "B". Cut the tubing into two equal lengths. Tubing should be cut as square to the axis as possible. **Do not fold the tubing in half to cut.** Push one end of the tubing into the push-to-connect elbow fitting in the bellows. If for any reason the tubing must be removed, the collar around the tubing can be pushed toward the fitting body to release the tubing. Run one of the tubing lengths from the bellows to the valve. Route it so that it will be protected from the direct heat and away from sharp edges. Tubing protectors have been provided for these conditions. Tubing protectors simply slip over the tube like a sleeve. The air line tubing should not be bent or curved sharply as it may buckle with age if the bends are too sharp. Secure the tubing in place with the nylon ties provided. Attach the end of the air line tubing to the inflation valve as shown in figure "B". To install the tubing push the tubing into the air fittings as far as possible.

STEP 5 — INSTALL RIGHT (PASSENGER'S SIDE) ASSEMBLY

Follow the same procedures as outlined in steps 1 through 4 for installing the passenger's side assembly.

STEP 6 — CHECK THE AIR SYSTEM

Once the inflation valves are installed, inflate the bellows and check the fittings for air leaks with a solution of soap and water. If a leak is detected in the air fitting tubing connection remove the tubing and recut the tubing as square as possible then reinstall. Further trouble shooting procedures are available in the operating instructions included with this kit.

This now completes the installation. Before proceeding, check once again to be sure you have proper clearance around the bellows. With a load on your truck and the helper springs inflated, you must have at least one-half inch clearance all around the bellows.

