

# Kit no. W21 760 3000

## Load Sensing Valve

Suitable for  
**Ford Transit**



### PARTS LIST

DESCRIPTION	PART NO.	QTY
AIR CYLINDER	21 3582 9019	1
LSV ARM BRACKET	21 3582 5116	1
AIR CYLINDER BRACKET	21 3582 3920	1
1/4" - 20 X 1.5" HEX BOLT	21 3582 1056	1
1/4" HEX NUT	21 3582 0057	1
1/4" LOCK WASHER	21 3582 0060	1
1/4" FLAT WASHER	21 3582 0864	2
3/8" - 24 X 1.25" HEX BOLT	21 3582 0080	1
3/8" - 24 UNF HEX NUT	21 3582 0059	1
3/8" LOCK WASHER	21 3582 0061	1
3/8" FLAT WASHER	21 3582 0071	2
M6 X 30 HEX HEAD BOLT	21 3582 3803	1
M6 HEX NUT	21 3582 3821	1
6 MM LOCK WASHER	21 3582 3831	1
M8 X 30 HEX HEAD BOLT	21 3582 3805	1
M8 HEX NUT	21 3582 3822	1
8 MM LOCK WASHER	21 3582 3833	1
ACORN NUT	21 3582 3826	1
HEX NUT	21 3582 3827	1
EXHAUST MUFFLER	21 3582 9020	1
10/32" AIR FITTING	21 3582 3058	1
1/4" TEE PIECE	21 3582 3025	1
1/4" AIR LINE (1M)	21 3582 3912	1

It is important to read through these instructions fully before fitting your Driverite Load Sensing Valve, identifying each of the components and where they are used.

**Firestone**  
World's Number 1   
Air Spring. 

## STEP 1 FIT THE LSV ARM BRACKET

Bolt the arm bracket to the existing load sensing valve arm using the 1/4" and 3/8" nuts and bolts as illustrated.

If your vehicle has a square axle, proceed with step 2A.

If your vehicle has a round axle, proceed with step 2B.

## STEP 2A MOUNT THE AIR CYLINDER

Located in the chassis cross member directly in front of the rear axle are two holes, one of which is housing a plastic clip. Remove this clip and relocate in adjacent hole. Mount the cylinder in the now vacant hole by drilling it out to 11 mm as shown in the diagram. The cylinder should now be acting against the LSV arm bracket.

## STEP 2B MOUNT THE AIR CYLINDER

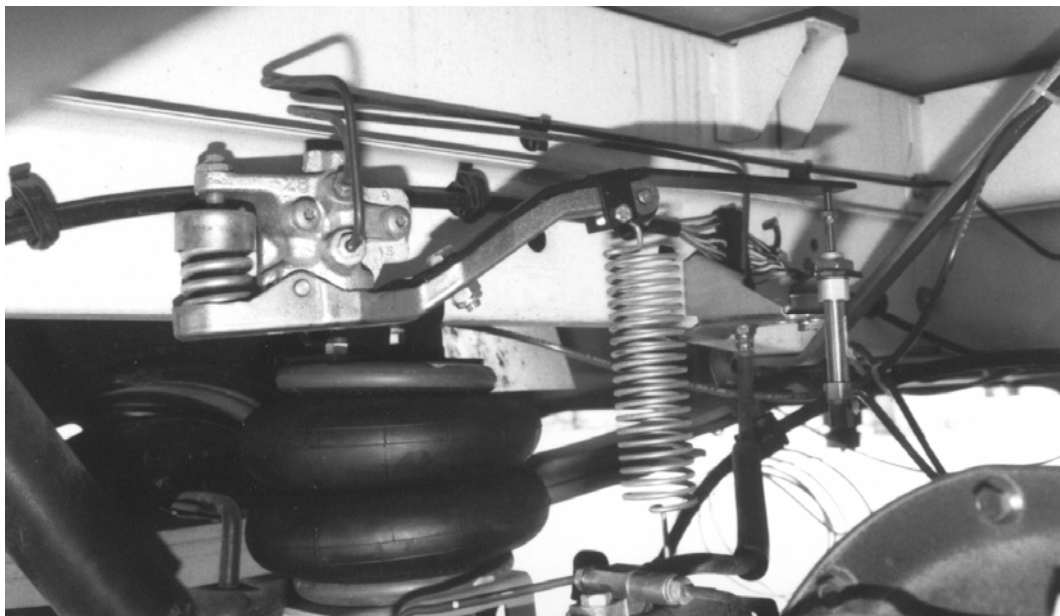
The air cylinder bracket is bolted to the "brake line plate" on the chassis frame using the M6 and M8 nuts and bolts provided. The cylinder is then mounted onto this bracket so that it is acting upwards against the LSV arm bracket as can be seen in the diagram.

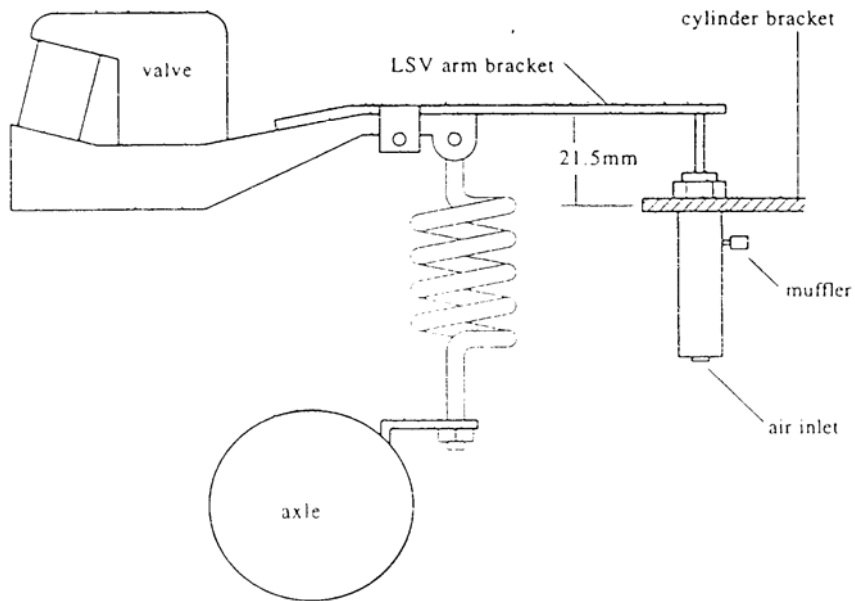
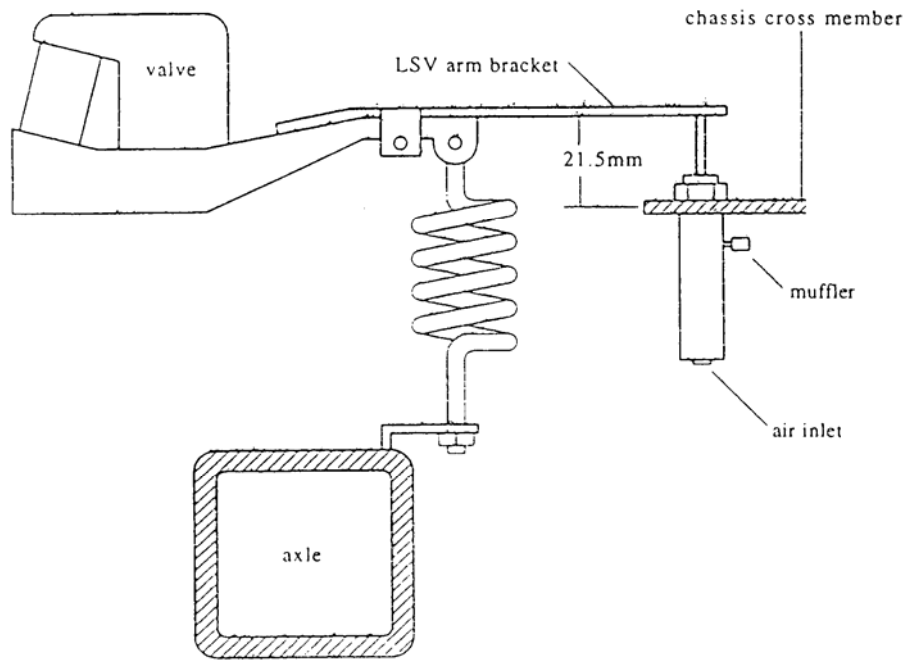
## STEP 3 ADJUSTING THE PISTON HEIGHT

The height of the piston above the cross member can be adjusted using the dome nut which is screwed onto the piston thread and locked in place against the hex nut. This height should be 21.5 mm from the top surface of the cross member to the top of the dome nut when there is no air in the cylinder.

## STEP 4 INSTALL THE AIR LINE

Insert one end of an appropriate length of air line into the cylinder fitting. Join the other end to the existing air line of the Driverite air springs using the tee piece provided. **CAUTION: Do not over tighten air cylinder fittings.**





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