

# Duff-Norton

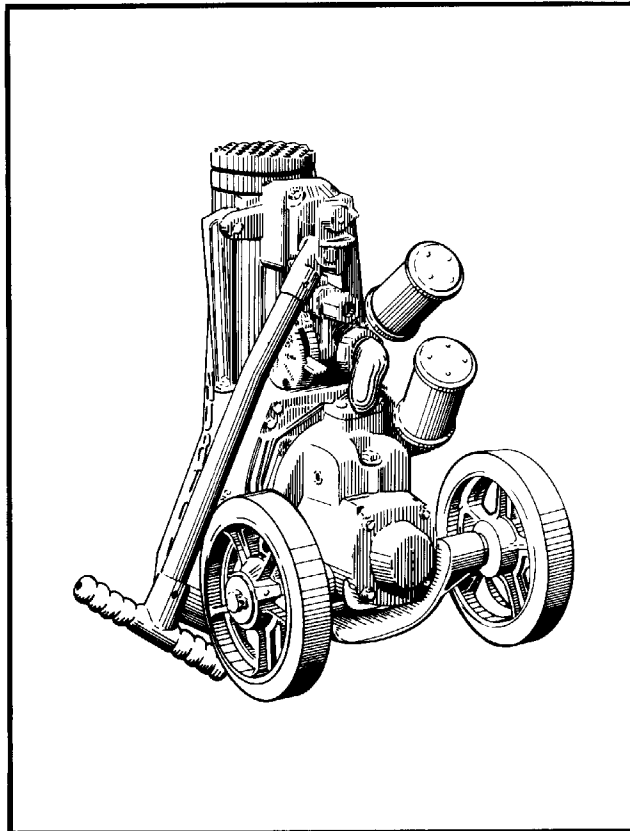
## INSTALLATION INSTRUCTIONS

PUBLICATION PART NO. X-4795

## MUFFLER

KIT NO. X-4780-A

## AIR MOTOR JACKS



**MODELS**  
126-RX  
144RX  
524-RX  
528-RX  
536RX

### IMPORTANT CAUTION

These instructions contain important information for the correct installation of Muffler Kit, X-4780-A. All persons involved in installing this kit should be thoroughly familiar with the contents of these instructions. To safeguard against the possibility of personal injury or property damage, follow these instructions and keep them available for reference and further use.

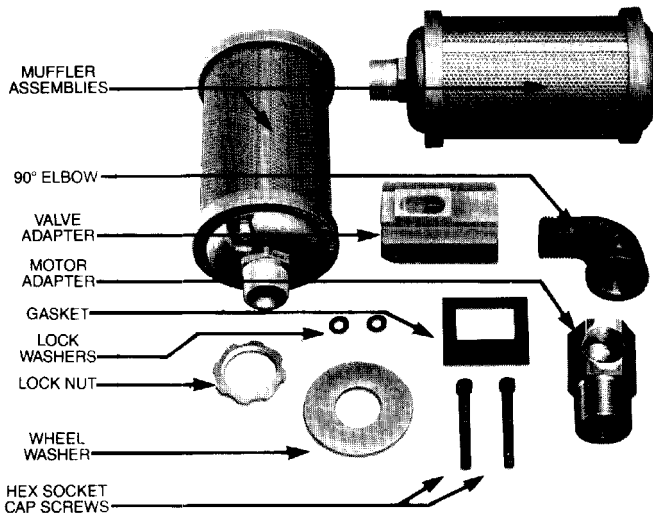
# Duff-Norton

## Instructions For Installing Muffler Kit No. X-4780-A On 50 and 75-Ton Air Motor Jacks

### DESCRIPTION

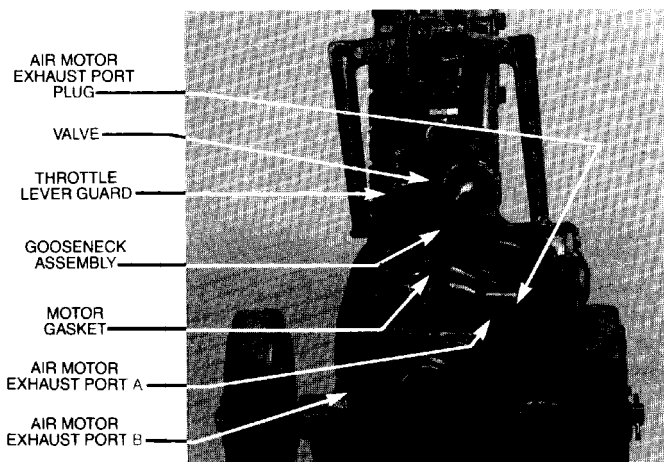
Muffler kit no. X-4780-A contains all components necessary for field installation on Duff-Norton 50 and 75-ton air motor powered jacks. Use of this kit will reduce air exhaust noise and dissipate the force of exhaust blast. The mufflers (2 supplied) disperse exhaust air, from the jack valve exhaust port and from the air motor exhaust port, at reduced velocity through perforated openings. To facilitate the installation of these parts on your air motor powered jack, follow the steps detailed in these instructions.

### 1. Inspect Kit Components.



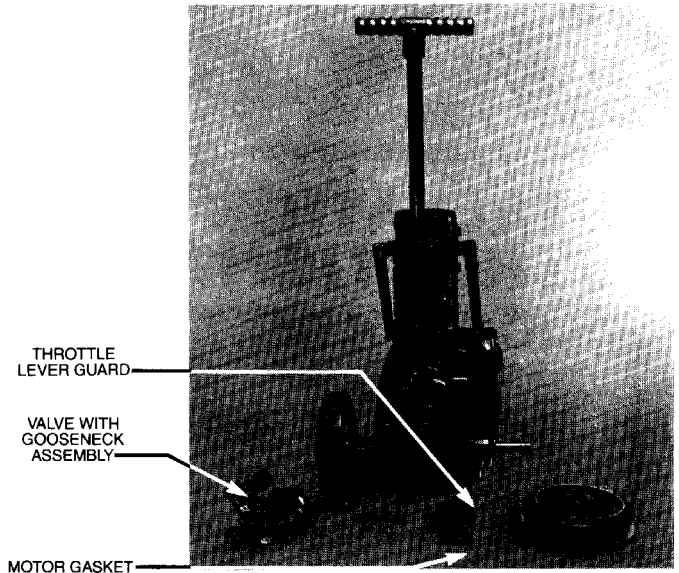
Duff-Norton muffler kits are carefully inspected and packed prior to shipment. Upon delivery, perform a visual check to ensure that you have received all necessary parts and that they have not been damaged in transit.

### 2. Locate Air Motor Jack Parts.



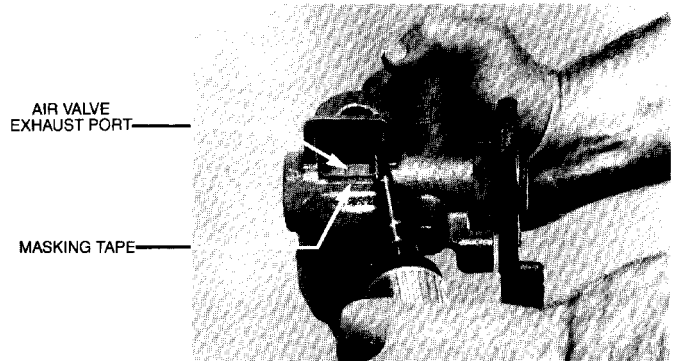
Face your jack and locate the parts as indicated in the photo above.

### 3. Remove Valve Assembly.



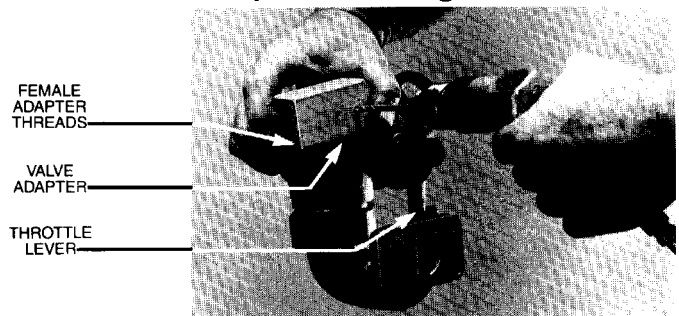
Remove the throttle lever guard, valve with gooseneck assembly, motor gasket and right wheel.

### 4. Prepare Valve Exhaust Port.



With an appropriate deburring tool, remove any casting flash that might be on the valve air exhaust port. **NOTE:** Cover the valve exhaust port with masking tape to prevent foreign matter from entering valve.

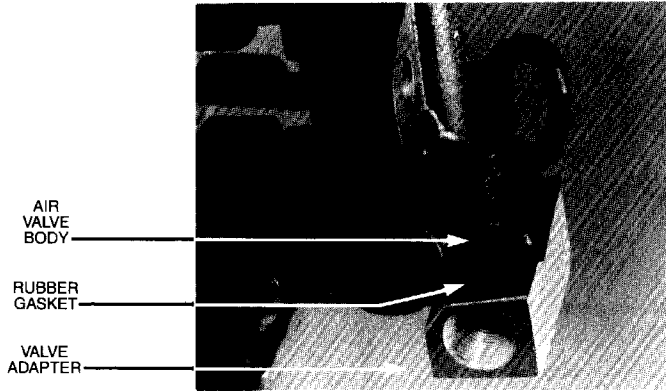
### 5. Drill Valve Adapter Mounting Holes.



Mate valve adapter (without rubber gasket) to valve exhaust port and clamp firmly. Note adapter orientation in photo above. Using the valve adapter as a template, carefully spot drill the air valve body in 2 places with a 3/16" drill.

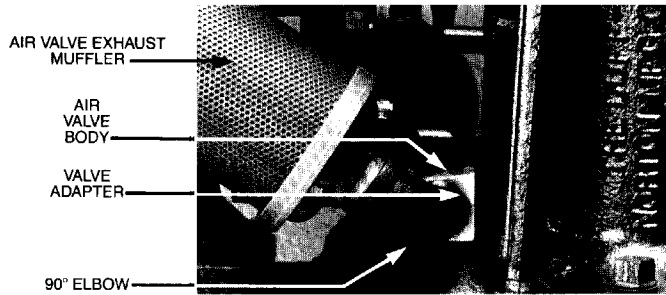
**NOTE:** Do not allow drill to contact or damage threads in valve adapter. Remove valve adapter and complete spot drilled holes by drilling all the way through the air valve body with a 5/16" diameter drill.

## 6. Assemble Valve Adapter.



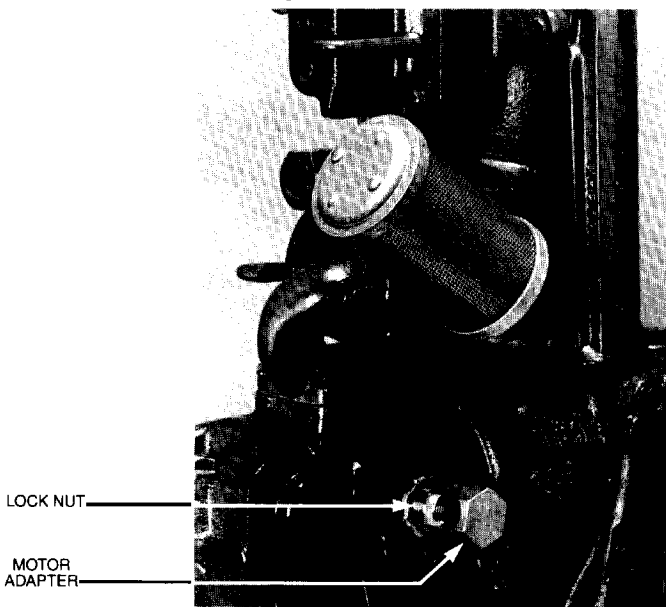
Assemble valve adapter and rubber gasket to valve body with the two 1/4-20 × 2" hex head cap screws and lock washers. Use sealant around cap screw heads and lock washers to seal air leaks. Thread 90° elbow into valve adapter, tighten and properly orient to prevent interference with other jack components (refer to photo in Step 7).

## 7. Remount Valve and Assemble Muffler.



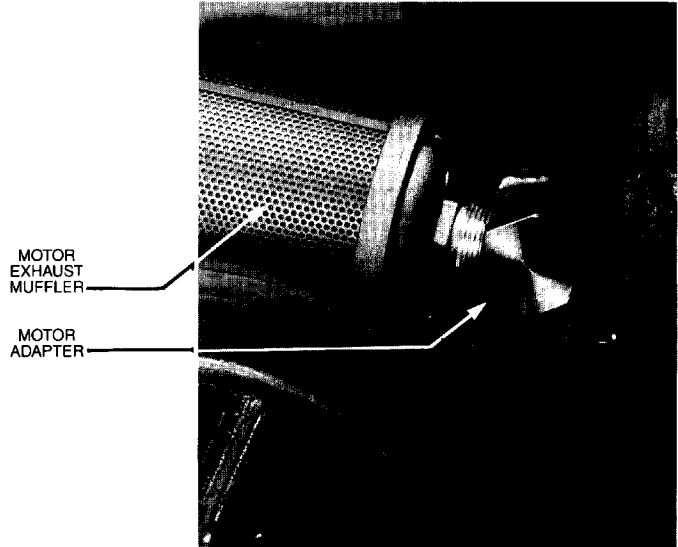
Reassemble valve with gooseneck assembly, motor gasket and throttle lever guard to jack. Install muffler.

## 8. Install Motor Adapter.



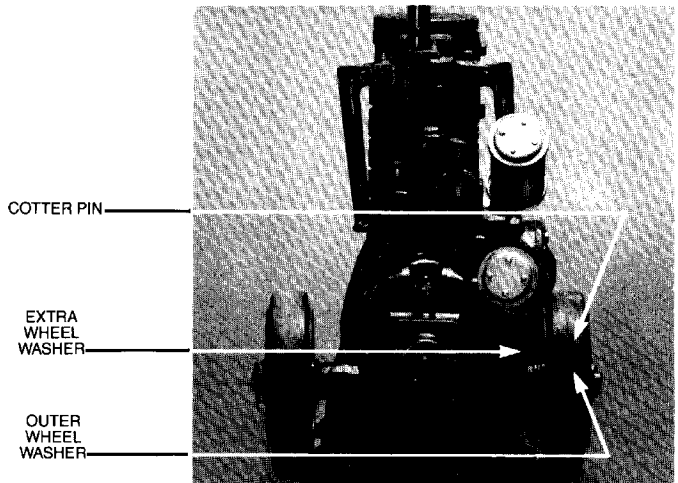
Remove pipe plug from motor exhaust port A and securely thread it into exhaust port B (refer to photo in Step 2). Thread lock nut onto the threaded extension of the motor adapter and screw the adapter tightly into motor exhaust port A. Back off until 3/4" female pipe thread is properly oriented to receive muffler. Tighten lock nut.

## 9. Mount Lower Muffler.



Thread second muffler into motor adapter.

## 10. Replace Air Motor Jack Wheel.



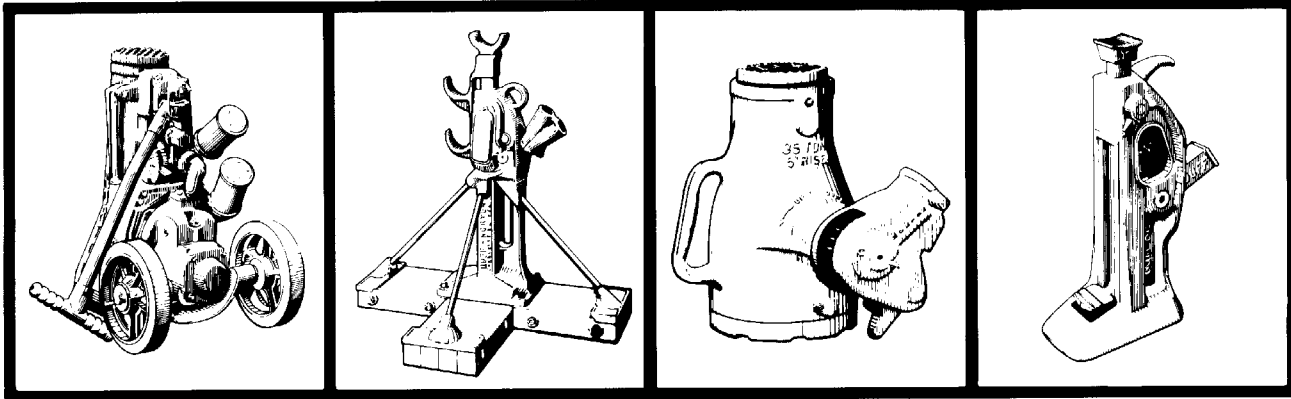
Add extra wheel washer from kit inside of wheel and replace wheel, outer wheel washer and Cotter pin. The air motor jack is now ready for use.

## PARTS LIST MUFFLER KIT X-4780-A

Part Name	Part Number	Quan. Req.
Valve Adapter	X-4780	1
Gasket	X-4782	1
Cap Screw	H-2212	2
Lock Washer	S-42-9	2
Muffler	X-4779	2
90° Elbow	X-4781	1
Motor Adapter	X-4778	1
Lock Nut	H-7597	1
Wheel Washer	S-3-68	1

**Note:** Duff-Norton cannot be responsible for damage or injury caused by unsafe use, inadequate maintenance or misapplication of products. Safe use of mechanical jacks is covered in the American National Standard ANSI B30.1. Owners and operators should obtain this standard and be familiar with its contents.

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