

# Southwest Speed

## SWS PART # 440-2674, 440-2675, 440-2676, & 440-2677

As a result of the restricted room available in some engine compartments, you may experience a close fit to some body and chassis components. This is a normal condition. If this is your first time installing a set of headers, it may be time consuming. While not complex, stick with it. As soon as you start your engine, the reward of additional horsepower and performance will be well worth your efforts. Proper installation and periodic maintenance will result in maximum performance and life from your headers.

### READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING:

For ease of installation, your vehicle must be raised a minimum of 24". **Warning:** Should you decide to install any exhaust product yourself, be warned that the original equipment jack that came with the vehicle is intended for emergency use only. The use of a frame jack in conjunction with a floor jack as main support is highly recommended to minimize the accidental dropping of a vehicle while the installation proceeds. Never go under any vehicle that is supported by a bumper jack!

### 1. PREPARE THE CAR FOR INSTALLATION:

- Disconnect the battery to prevent accidental damage to electrical system.
- Remove the stock exhaust manifolds and exhaust pipes.
- Remove the starter.
- Remove the spark plugs and spark plug shields.
- If equipped with manual transmission, remove the clutch idler assembly.

### 2. CHECK THE CONDITION OF THE MOTOR MOUNTS

It is recommended that new motor mounts be installed before installing headers.

### 3. LEFT SIDE HEADER INSTALLATION:

- Remove the left side motor mount bolt and raise the engine approximately 1 1/2 inches. Be sure to place a board between the oil pan and floor jack to prevent damage to oil pan. Also, be sure to check the clearance of the fan to the fan shroud. Loosen the shroud, if necessary.
- Place the gaskets over the exhaust ports, positioning on the studs in the cylinder head.
- Install the header and the starter together, positioning the header onto the studs. Do not tighten.
- Hole the header into position to prevent binding while the engine is being lowered into the vehicle.
- Use the original 3/8" nuts to tighten the header. Tighten all header nuts progressively and evenly until they are tight.
- Reinstall the clutch linkage, if so equipped.
- If the vehicle is equipped with an automatic transmission, it may be necessary to raise the gearshift linkage cross shaft by rotating the mounting brackets 180° on the frame and transmission. See **Figures A & B**.

### 4. RIGHT SIDE HEADER INSTALLATION:

- Place the gaskets over the exhaust ports, positioning on the studs in the cylinder head.
- Install the header and position it onto the studs. Do not tighten.
- Use the original 3/8" nuts to tighten the header. Tighten all header nuts progressively and evenly until they are tight.

### 5. AFTER HEADERS ARE IN PLACE:

- Inspect all points with limited clearance. Relocate any points that have direct contact with the headers. Make sure there is adequate clearance around all lines (transmission, brake, fuel and electrical wires). Reroute, as necessary. Before installing your exhaust system, replace any fluids that you have removed or lost.
- Reconnect the battery cable.

### 6. CONNECT THE EXHAUST SYSTEM:

- Bolt the reducer adapters and gaskets to the collectors.
- Attach the exhaust system by either clamping or welding the exhaust pipes to the reducer adapters.

When you have finished installing your headers, take the vehicle for a road test. Listen carefully for any exhaust leaks or other strange noises and make corrections. When the vehicle has been driven for a few days, retighten the header bolts. We find that periodically checking the bolts will prevent the flange from warping and the burning out of the header gaskets.

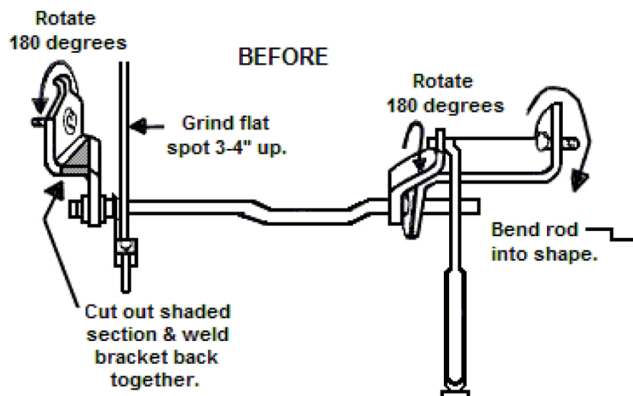


Figure A

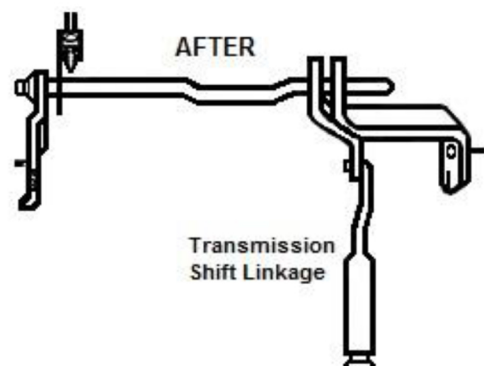


Figure B