PRODUCT DESCRIPTION

DESCRIPTION  The WM654A is an air saver valve engineered for use in conjunction with Williams air scales. Air savers maintain up to 80% of the air in one set of lifting chambers while the other set is being used. This allows multiple weight checks to be made without the necessity of repeatedly recharging the chambers.

OPERATION  WM654A air savers are equipped with two internal diaphragms, two inlets and two outlets. The diaphragms function to direct air flow from a pressurized inlet to the corresponding outlet, and to prevent any other flow through the valve. This allows air to be held in a lifting chamber for subsequent weight checks while another chamber is being pressurized.

APPLICATION  WM654A air saver valves are designed for use with vehicular air scales. One air saver is used for each set of lifting chambers and is installed between the air scale control panel and the first lifting chamber. WM654A valves are included with applicable Williams air scale kits.

TYPICAL APPLICATION

EXTERNAL CONFIGURATION

AIR SAVER VALVE

FUNCTIONAL DIAGRAM
### PARTS IDENTIFICATION

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LOWER BODY</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>CENTER BODY</td>
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</tr>
<tr>
<td>3</td>
<td>DIAPHRAGM</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>HOSE NIPPLE</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>SCREW</td>
<td>12</td>
</tr>
</tbody>
</table>

*Asterisk designates items included in repair kit.

Service this unit with repair kit number 114516.

### SPECIFICATIONS

- **PORT SIZE**: 3/8" Hose Fittings
- **MAXIMUM OPERATING PRESSURE**: 150 PSI (1034.2 kPa)
- **OPERATING TEMPERATURE**: -20°F to 200°F (-28.9°C to 93.3°C)
- **FLOW RATING**: 20 SCFM @ 100 PSI (0.5 m³/min @ 690 kPa)
- **MOUNTING**: In-Line
- **MOUNTING ATTITUDE**: Optional

**MATERIALS**:
- Body Castings: Die Cast Zinc Alloy
- Diaphragms: Fabric-Reinforced Buna N

**NET WEIGHT**: 12 oz. (0.3 kg)

*For continuous operation beyond this range, contact factory.*

### TO ORDER, SPECIFY

**WM654A**

Model Number

**PART NUMBER 113981**