

Before performing any service always follow applicable safety precautions.

LP Dual Tank Assembly Changeover Regulator Operation

Affected Products:	All mobile units with the Cavagna or Marshall Excelsior changeover regulator
Affected Serial Range:	N/A
Related Issue #:	N/A
Revision 1:	Added operation of Marshall Excelsior regulator

Issue Description:

The automatic changeover regulator on the MLR-150, SPX-300 and SPK-500 mobile units will change from Cavagna brand regulators to Marshall Excelsior.

Actions Required:

The regulator should be operated in accordance with the manufacturer's instructions attached to the regulator and the instructions included in smoker's Owner's Manual.

Note the difference in the operation of the regulators.

Proper operation of the **Cavagna** changeover regulator is as follows:

1. Make sure there is propane in both cylinders before you start.
2. Rotate the white knob on the front side of the regulator until the indicator arrow points toward the cylinder you want to use first. This will be the "service" cylinder and the other will be the "reserve" cylinder.
3. Slowly open both cylinder valves. The indicator in the knob of the regulator will turn bright green. The indicator color will stay green as long as there is fuel coming from the service cylinder.
4. When the service cylinder empties, the regulator will start drawing from the reserve cylinder providing an uninterrupted fuel flow to the system. When it switches over, the indicator color changes from green to red. This red color indicates that the service cylinder is empty and needs to be filled.
5. To remove the empty cylinder, rotate the knob halfway between the two cylinders, the indicator will turn green, and the reserve cylinder becomes the service cylinder.



Actions Required (continued):

6. Next, shut off the cylinder valve on the empty cylinder.
7. Turn the knob the rest of the way to the reserve cylinder, the reserve cylinder is now the service cylinder.
8. Now disconnect the empty cylinder and have it refilled.
9. After refilling, reconnect the pigtail and slowly open the cylinder valve. The full cylinder now becomes the reserve cylinder.
10. Check that all connections are tight and there is no gas leak, by using a soap and water solution as described in the smoker's Owner's Manual.

Proper operation of the **Marshall Excelsior** changeover regulator is as follows:

1. Make sure there is propane in both cylinders before you start.
2. Place one of the two cylinders in "primary" by switching the black changeover lever in the direction of the selected cylinder. The arrow on the lever will denote the "primary" side.
3. Open both cylinder valves slowly. The indicator on the top of the regulator will turn green. The "primary" side of the regulator will continue to supply gas as long as sufficient gas is present in the "primary" cylinder.
4. When pressure in the cylinder drops below a designated pressure, the "reserve" side will open and continue to provide gas to the regulator. At the time that the "primary" cylinder becomes exhausted, the indicator on the changeover lever will turn partial red and green, indicating a cylinder change can be made.
5. Prior to removing the empty cylinder, position the black changeover lever so that it points to the reserve cylinder that is now supplying the regulator.
6. Close the valve on the empty cylinder and remove.
7. After the empty cylinder is refilled and reconnected, slowly open the cylinder valve. The new cylinder is now the reserve cylinder. The indicator at the top of the regulator will turn green.
8. Check that all connections are tight and there is no gas leak, by using a soap and water solution as described in the smoker's Owner's Manual.



Additional Comments:

	<p>DANGER Failure to rotate changeover lever and / or disconnection of hose while indicator is red will result in a propane gas leak which, if ignited, may cause property damage, bodily injury, or death.</p>
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Secondary Distribution:

Service technicians within the Distributor's organization.
Service companies.

For Additional Information:

Southern Pride Technical Service: (800) 437-2679