

3M 6846

FJC 6846 Air Tool Hoses User Manual

This manual provides essential information for the safe and effective use of your FJC 6846 Air Tool Hoses.

1. SAFETY INFORMATION

Please read and understand all safety instructions before operating the FJC 6846 Air Tool Hoses. Failure to follow these instructions may result in injury or damage to equipment.

- Always wear appropriate personal protective equipment (PPE), including eye protection, when working with air tools and refrigerants.
- Ensure all connections are secure and leak-free before applying pressure.
- Do not exceed the maximum pressure rating of the hose or the A/C system.
- Keep hands and clothing clear of moving parts and pressurized lines.
- Use only with R-1234yf refrigerant as specified.
- **WARNING:** This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2. PRODUCT OVERVIEW

The FJC 6846 Air Tool Hoses are specifically designed for use with R-1234yf automotive air conditioning systems. This service kit facilitates quick and accurate refrigerant filling and allows for easy monitoring of low-side pressure during the A/C system charging process.

Air Conditioning

PART #6846

R1234yf U-Charge Service Kit with Gauge

- ♦ Allows quick and accurate filling from cans of R134a or R134a additives
- ♦ Easy to read gauge - Monitor lowside pressure while filling A/C system



 **FJC**
Air Conditioning Products

This image shows the FJC 6846 R1234yf U-Charge Service Kit, including the blue hose, pressure gauge, and brass fittings, sealed in its retail packaging.

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This image illustrates the FJC 6846 service kit being connected to a vehicle's A/C low-side port, demonstrating its application for refrigerant charging.

2.1. Components

- R-1234yf Service Hose (Blue)
- Integrated Pressure Gauge
- R-1234yf Low-Side Quick Coupler

- Can Tap/Dispenser Connection

3. SETUP

Follow these steps to set up your FJC 6846 Air Tool Hoses for use:

1. Ensure the vehicle's engine and A/C system are turned off.
2. Locate the low-side service port on your vehicle's A/C system. This port is typically smaller than the high-side port and may be marked with an 'L'.
3. Connect the R-1234yf low-side quick coupler end of the FJC 6846 hose to the vehicle's low-side service port. Push down firmly until it clicks into place, ensuring a secure connection.
4. Connect the can tap/dispenser connection end of the hose to your R-1234yf refrigerant can or dispenser. Ensure this connection is also tight to prevent leaks.
5. Before piercing the can (if applicable), ensure the valve on the can tap is fully closed.

4. OPERATING INSTRUCTIONS

Once the FJC 6846 Air Tool Hoses are properly connected, follow these steps for refrigerant charging:

1. Start the vehicle's engine and turn on the A/C system to its maximum cooling setting with the fan on high.
2. Observe the pressure gauge on the FJC 6846 hose. The gauge provides real-time low-side pressure readings.
3. Slowly open the valve on the refrigerant can tap/dispenser to begin introducing refrigerant into the A/C system.
4. Continuously monitor the pressure gauge. The gauge is designed to help you achieve quick and accurate filling. Refer to your vehicle's service manual or the refrigerant manufacturer's instructions for target low-side pressure specifications.
5. Shake the refrigerant can periodically to ensure proper flow.
6. Once the desired pressure is reached, close the valve on the refrigerant can tap/dispenser.
7. Turn off the vehicle's engine and A/C system.
8. Carefully disconnect the low-side quick coupler from the vehicle's service port. Be aware that a small amount of refrigerant may escape during disconnection.
9. Disconnect the hose from the refrigerant can.

5. MAINTENANCE

Proper maintenance will extend the life of your FJC 6846 Air Tool Hoses:

- After each use, wipe down the hose and fittings with a clean, dry cloth to remove any dirt or refrigerant residue.
- Inspect the hose for any signs of wear, cracks, or damage before each use. Replace if any damage is observed.
- Check the O-rings within the quick couplers for signs of wear or damage. Replace them if they appear brittle or flattened to ensure a proper seal.
- Store the hose in a cool, dry place, away from direct sunlight and extreme temperatures, to prevent material degradation.
- Do not kink or sharply bend the hose during storage or use.

6. TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

| Problem | Possible Cause | Solution |
|--------------------------------|---|--|
| Refrigerant leak at connection | Loose connection, Damaged O-ring, Incorrect coupler | Ensure coupler is fully seated and locked. Inspect and replace O-rings if damaged. Verify correct R-1234yf coupler is used. |
| Gauge reads zero or erratic | Hose not connected properly, Gauge malfunction, No refrigerant in can | Verify secure connection to vehicle and can. Check if refrigerant can is empty. If problem persists, gauge may be faulty. |
| Difficulty connecting coupler | Service port dirty/damaged, Coupler mechanism stuck | Clean service port. Apply a small amount of refrigerant oil to the coupler's O-ring. Ensure coupler is fully retracted before pushing onto port. |

7. SPECIFICATIONS

| | |
|--------------------|----------------------|
| Part Number | 6846 |
| Item Weight | 0.16 ounces (4.54 g) |
| Product Dimensions | 10 x 6 x 1 inches |
| Material | Rubber |
| Measurement System | Metric |
| Manufacturer | FJC, Inc. |
| Brand | 3M |
| UPC | 609989019555 |

8. WARRANTY AND SUPPORT

For specific warranty information regarding your FJC 6846 Air Tool Hoses, please refer to the documentation included with your purchase or visit the official website of FJC, Inc. or 3M.

If you require technical assistance or have questions not covered in this manual, please contact the manufacturer's customer support:

- **Manufacturer:** FJC, Inc.
- **Brand:** 3M
- Please visit their respective official websites for contact details.