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> [Robinair 18191A R-134a High Side Service Coupler User Manual](#)

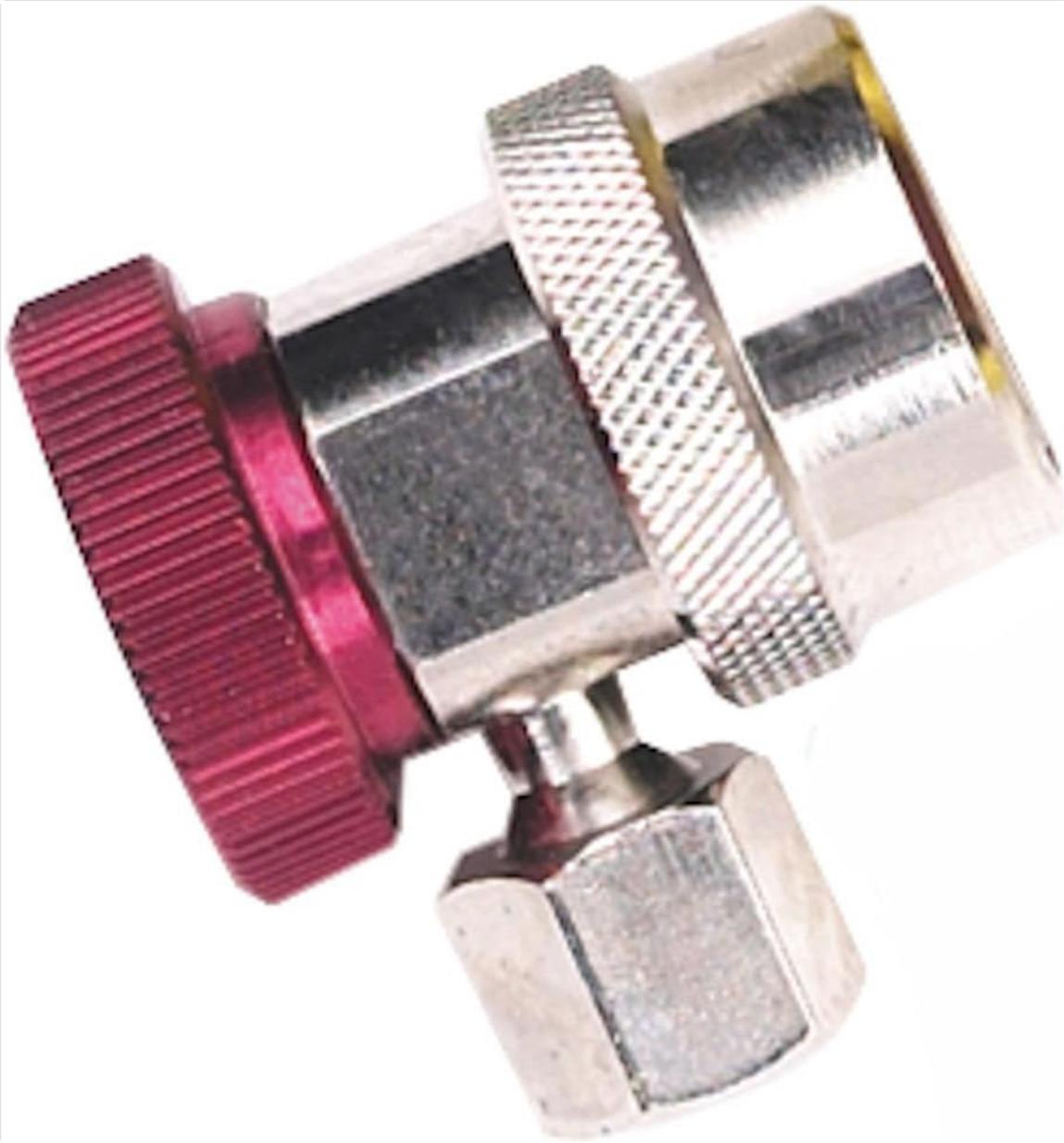
OTC 18191A

Robinair 18191A R-134a High Side Service Coupler User Manual

Model: 18191A

1. PRODUCT OVERVIEW

The Robinair 18191A R-134a High Side Service Coupler is an essential tool designed for automotive R-134a A/C systems. It facilitates safe and efficient access to service ports, ensuring proper refrigerant handling. This coupler features a robust design for reliable performance and ease of use.



A close-up view of the Robinair 18191A R-134a High Side Service Coupler. The coupler features a chrome-plated brass body with a prominent red actuator knob on one end. The other end has a knurled silver ring for secure connection. The design includes a swivel joint connecting the main body to a hexagonal fitting, indicating its adaptability for various angles.

2. SAFETY INFORMATION

Always observe the following safety precautions when using the service coupler:

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when working with refrigerants.
- Ensure the A/C system is depressurized or properly managed before connecting or disconnecting the coupler.
- Do not attempt to disconnect the coupler under pressure without engaging the integral safety sleeve.
- Refer to the vehicle manufacturer's service manual for specific A/C system procedures.
- Keep the tool clean and free from debris to prevent contamination of the A/C system.

3. PACKAGE CONTENTS

Verify that all items are present upon opening the package:

- 1 x Robinair 18191A R-134a High Side Service Coupler with Red Actuator

4. FEATURES

The Robinair 18191A Service Coupler offers the following key features:

- **Chrome plated brass, high-side manual coupler with red actuator:** Durable construction for long-lasting use.
- **Connects to Robinair Enviro-Guard hoses:** Designed for seamless integration with compatible hoses for R-134a A/C systems.
- **Quick-connect design with integral safety sleeve:** Protects against injury and refrigerant loss if disconnected under pressure.
- **Compact design:** Easily fits into tight spaces, ideal for various vehicle applications and retrofits.
- **6-ball coupler design:** Provides a more stable and secure grip on the fitting compared to 4-ball designs.

5. SETUP AND INSTALLATION

Follow these steps to properly set up and install the service coupler:

1. **Prepare the A/C System:** Ensure the vehicle's A/C system is in a safe state for service.
2. **Connect to Hose:** Thread the coupler onto the appropriate Robinair Enviro-Guard hose. Ensure a snug, leak-free connection.
3. **Identify High Side Port:** Locate the high-side service port on the vehicle's R-134a A/C system. The high-side port is typically smaller than the low-side port and may be marked with an 'H' or a red cap.
4. **Attach Coupler to Service Port:** Align the coupler with the high-side service port. Push the coupler firmly onto the port until it clicks into place. The integral safety sleeve will engage, preventing accidental disconnection.
5. **Verify Connection:** Gently tug on the coupler to ensure it is securely seated on the service port.

6. OPERATING INSTRUCTIONS

Once connected, the coupler allows access to the A/C system for various service procedures:

1. **Accessing the System:** With the coupler securely attached, the A/C system can now be accessed for pressure readings, refrigerant charging, or recovery, depending on the connected equipment.
2. **Monitoring Pressure:** If connected to a manifold gauge set, observe the high-side pressure readings.
3. **Disconnecting the Coupler:** To disconnect, pull back the integral safety sleeve on the coupler while simultaneously pulling the coupler off the service port. This action releases the locking mechanism and prevents refrigerant spray.
4. **Proper Disposal:** Ensure any recovered refrigerant is handled and disposed of according to local environmental regulations.

7. MAINTENANCE

Regular maintenance ensures the longevity and proper function of your service coupler:

- **Cleaning:** After each use, wipe down the coupler with a clean, dry cloth to remove any dirt, oil, or refrigerant residue.
- **Inspection:** Periodically inspect the coupler for any signs of wear, damage, or corrosion. Check the integrity of the safety sleeve and the internal O-rings.
- **Lubrication:** A small amount of refrigerant oil can be applied to the O-rings to maintain their flexibility and sealing capability.
- **Storage:** Store the coupler in a clean, dry environment, away from extreme temperatures and direct sunlight.

8. TROUBLESHOOTING

If you encounter issues with your service coupler, consider the following:

- **Difficulty Connecting:** Ensure the service port is clean and free of obstructions. Verify that you are attempting to connect to the correct R-134a high-side service port. Apply slight pressure and ensure proper alignment.
- **Leaks After Connection:** Check that the coupler is fully seated and locked onto the service port. Inspect the coupler's O-rings for damage or wear. Replace if necessary. Ensure the hose connection to the coupler is tight.
- **Difficulty Disconnecting:** Ensure the safety sleeve is fully pulled back before attempting to remove the coupler. Do not force the disconnection; verify there is no residual pressure preventing release if applicable.

9. SPECIFICATIONS

Attribute	Value
Manufacturer	Robinair
Brand	OTC
Model	Service Coupler with Red Actuator
Item Weight	0.004 ounces
Product Dimensions	2.9 x 3.6 x 1.3 inches
Item Model Number	18191A
Is Discontinued By Manufacturer	No
Manufacturer Part Number	18191A
ASIN	B000JFNAJO
Date First Available	October 19, 2006

10. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please contact the manufacturer or refer to the official product website. Keep your purchase receipt as proof of purchase.

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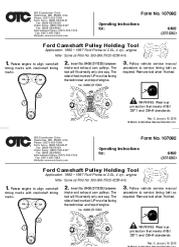
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