



Mastercool®
"World Class Quality"

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83894 R1234yf MANUAL COUPLER KIT



**ONE-PIECE
FORGED BRASS**
No welds.
No weak points



**PROTECTED
DISCONNECT SLEEVE**
Prevents accidental
refrigerant release



**RECOVERS TRAPPED
REFRIGERANT**
Reducing refrigerant
loss

SPECIFICATIONS:

- **Compliance:** Meets SAE J639 & J2888
- **Body:** One-piece forged, nickel-plated brass
- **Construction:** All-metal, no plastic components
- **High Side:** 12mm-F x 17mm Service Port Major Diameter
- **Low Side:** 12mm-F x 14mm Service Port Major Diameter
- **Hex:** Precision-machined 18mm across flats
- **Color Coded:** Red (high side) / Blue (low side)

FORGED BRASS. PRECISION ENGINEERED. BUILT TO PROTECT EVERY CONNECTION.

Mastercool's R1234yf Manual Coupler Kit starts with a single forged brass body — no welded seam, no joint, no weak point. Every dimension, from the seal gland to the hex, is engineered to spec rather than left to chance, giving technicians a coupler that seals right, fits right, and protects the service port on every connection.

FEATURES:

- **One-Piece Forged Brass Body:** No welded seam like a two-piece machined body — just solid, forged brass holding its shape and seal integrity through years of daily use
- **Recovers Trapped Refrigerant:** Recovers refrigerant trapped between the coupler and fitting instead of venting it, reducing refrigerant loss and lowering costs - especially with higher-priced R1234yf
- **Extended Disconnect Protection Sleeve:** Prevents the coupler from being removed before the valve core is fully closed, eliminating accidental refrigerant loss through an open port
- **Patented Spring-Loaded Depressor:** Manufactured to reach the maximum valve core depth specified by SAE guidelines, ensuring reliable, consistent engagement across standard service ports
- **Precision-Machined 18mm Hex:** Machined to a true 18mm after forging, so a standard wrench seats perfectly every time — no rounded corners, no slipping
- **Nickel-Plated Brass:** Protects the body from corrosion and discoloration through years of shop use
- **All-Metal Construction:** No plastic components, built to hold up to drops, impacts, and daily wear
- **Meets SAE J639 & J2888:** Full compliance with R1234yf service equipment standards

83894 R1234yf Manual Coupler Kit

includes 83834 High Side R1234yf Coupler (12 mm-F x 17 mm) and 83934 Low Side R1234yf Coupler (12 mm-F x 14 mm), both with extended disconnect protection sleeve

