

# KWIK-COUPLER™ ADAPTERS

## HOSE SHUT-OFF ADAPTERS

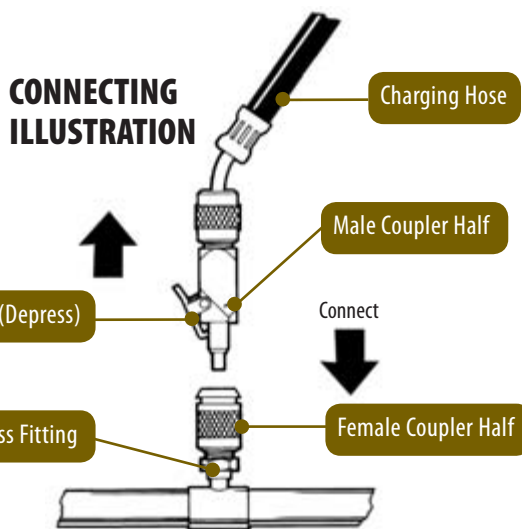
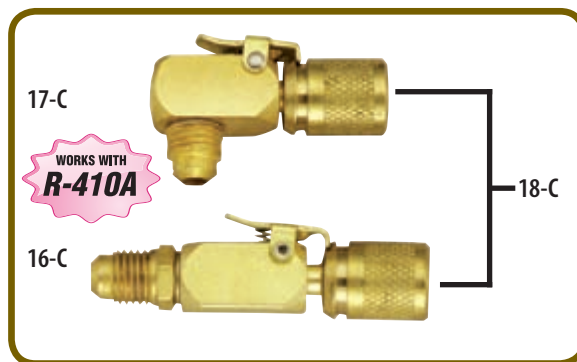
The Kwik-Coupler™ adapter set is intended for use with refrigeration and air-conditioning service hoses when connecting to core valve type access fittings. Conventional threaded connecting is converted to push-pull operation which is faster, easier and positive sealing at all times. Valve cores are depressed automatically without adjustments or loss of refrigerant. Disconnecting is also accomplished without loss of refrigerant.

An automatic shut-off valve retains refrigerant pressure in a disconnected hose. This feature permits transferring high side hose refrigerant through the service manifold into the low side, thereby eliminating waste and hazardous high pressure discharge and atmospheric damage.

### Features

- Automatic full depression of core valves without adjustment, regardless of core position.
- Coupler halves separately connect to access fitting and hose end, then easy push/pull operation automatically opens or closes system without loss of refrigerant.
- Automatic shut-off of hose ends permits discharging high side hose through manifold into low side.
- Eliminates hazardous discharge of refrigerant and oil from system when disconnecting hose.
- Simplifies operation of charging critical amount of refrigerant into small systems.
- Prevents finger burn when disconnecting - especially servicing heat pumps in cold weather.
- Core depressors in hose ends no longer necessary - speeds servicing of systems with hand valves.

- 16-C Straight Coupler (45° Flare) 1/4" female x 1/4" male.
- 17-C 90° Elbow Coupler (45° Flare) 1/4" female x 1/4" male.
- 18-C (Set) includes 16-C and 17-C.
- 26-C Straight Coupler (45° Flare) 5/16" female x 5/16" male.
- 27-C 90° Elbow Coupler (45° Flare) 5/16" female x 5/16" male. NOT UL APPROVED



**WARNING:** Do not allow any refrigerant cylinder, connected for charging, to be exposed to system high side pressure cylinder - explosion could result!

## AUTOMOTIVE KWIK-COUPLER™ ADAPTER FOR R-12

- 19-C (Set) Same as 18-C except with special female coupler for use on 3/16" high side automotive access valves.
- 20-A High side adapter. Converts 3/16" system access valve to 1/4" access valve for use with standard 1/4" charging hose.



## 23-C & 24-C HI-DUTY® SHUT-OFF COUPLERS

- Coupler captures refrigerant within hose, eliminating refrigerant loss, atmospheric damage and finger burns.
- Connects quickly & easily to any standard 1/4" SAE refrigerant hose.
- Solid brass construction for years of dependable service.
- Innovative modular design permits easy field repairs.

### SHUT-OFF COUPLERS

PART NO.	DESCRIPTION
23-C	Straight 1/4" SAE Shut-Off Coupler
24-C	90 Degree 1/4" SAE Shut-Off Coupler
25-K	Coupler Service Kit

# KWIK-COUPLER™ ADAPTERS

## KWIK-COUPLER™ REPAIR KITS

The Kwik-Coupler™ adapter repair kit is intended for use with Imperial® brand 16-C, 17-C, 18-C and 19-C Kwik-Coupler™ adapters and PolarShield® KC-Series hose. The male repair kit includes a threaded hex sleeve for replacement on straight coupler assemblies.

### KCK-M Male Kwik-Coupler™ Adapter Repair Kit - Repairs 2 Male Couplers

**Includes:** Hex Sleeve (2), Spring (2), Stem Assembly (2) and Sealant

#### REPAIR INSTRUCTIONS

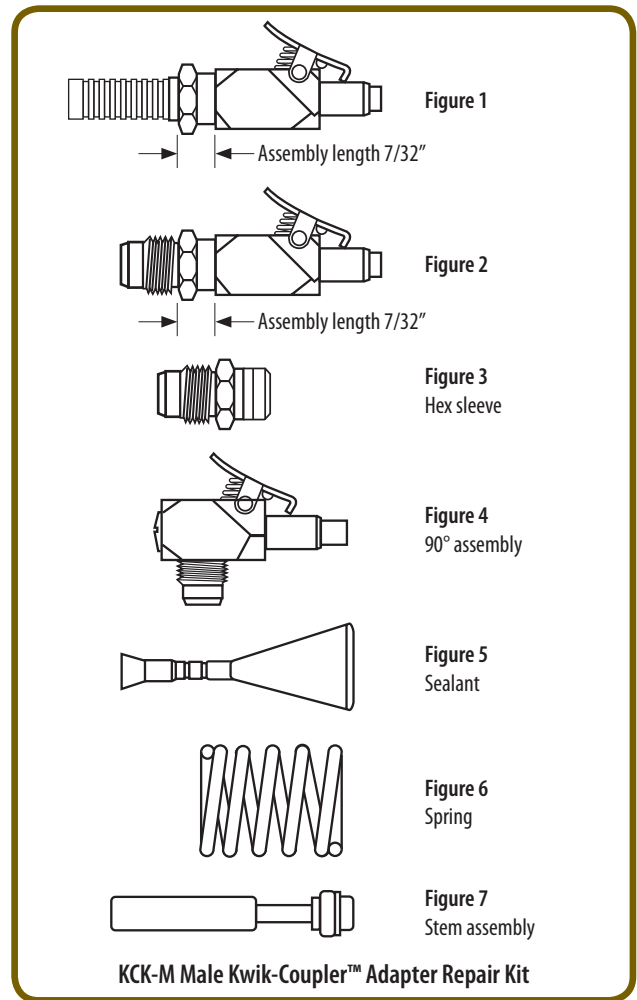
1. Remove threaded sleeve on end of Kwik-Coupler™ adapter. A vise may be necessary to remove old straight sleeve - the 90° has a screwdriver slot on back for removal.
2. Discard old stem and spring.
3. Use a wire brush to clean sealant residue from disassembled parts.
4. Insert new stem and spring.
5. Apply one bead of thread sealant completely around the thread. Do not apply an excessive amount of sealant - this may damage o-ring seal and cause leakage. Assemble to length at right (Fig. 1 & 2). For 90° style, engage threads until the bottom of the slot is even with the back of the coupler (Fig. 4).
6. Allow sealant to cure at least 30 minutes. The Kwik-Coupler™ adapter is now ready to use.

### KCK-F Female Kwik-Coupler™ Adapter Repair Kit - Repairs 5 Standard and 5 Automotive Female Couplers (Not for 26-C and 27-C)

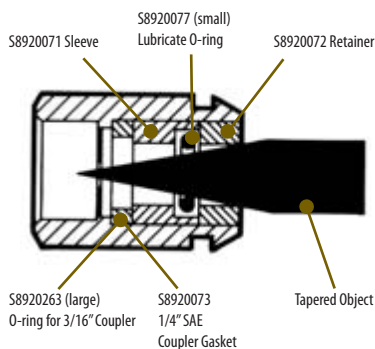
**Includes:** Retainer (2), Gasket (5), O-Ring (10) and O-Ring 3/16" for Automotive (5)

#### REPAIR INSTRUCTIONS

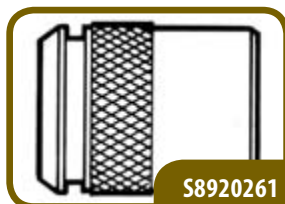
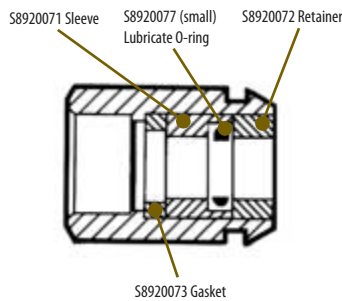
1. Insert tapered object (pen or pencil) and press against threaded retainer. Unscrew and remove retainer, sleeve and rubber seals.
2. Lubricate new seals and reassemble. Tighten retainer to zero clearance plus 1/8" turn. The Kwik-Coupler™ adapter is now ready for use.



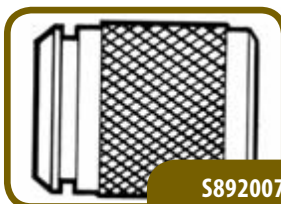
#### Standard Female Coupler



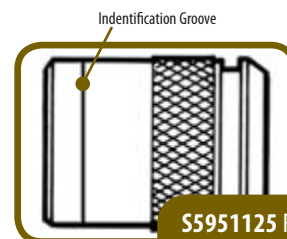
#### Accessory Side Female Coupler for non-core valve applications



**S8920261** Female Coupler (3/16" high side automotive)



**S8920074** 1/4" Female Coupler



**S5951125** Female Coupler (accessory side)

## KWIK-COUPLER™ ADAPTER REPLACEMENT PARTS

PART NO.	DESCRIPTION	USED ON
S8920069	Male Coupler 1/4"-Straight	16-C, 17-C, 18-C, 19-C
S8920071	Female Coupler 1/4" & 3/16"-Sleeve	16-C, 17-C, 18-C, 19-C
S8920072	Female Coupler 1/4" & 3/16"-Retainer	16-C, 17-C, 18-C, 19-C
S8920073	Female Coupler 1/4"-Gasket	16-C, 17-C, 18-C, 19-C
S8920074	Female Coupler 1/4"-Low Side	16-C, 17-C, 18-C, 19-C
S8920077	Female Coupler 1/4", 3/16" & 5/16"-O-Ring	16-C, 17-C, 18-C, 19-C
S8920082	Male Coupler 1/4"-90°	16-C, 17-C, 18-C, 19-C
S8920261	Female Coupler 3/16"-High Side	19-C
S8920263	Female Coupler 3/16"-O-Ring	19-C
S5951125	Female Coupler 1/4"-for Non-Core Valve Application	16-C, 17-C, 18-C, 19-C
KCK-F	Repair Kit For All Female Couplers	
KCK-M	Repair Kit For All Male Couplers	