

# MINI-SPLIT TOOL KITS

## PRODUCT DESCRIPTIONS



**22500 1/4" | 22505 5/16"**  
Patriot™ manifold with surge dampened R410A gauges and 360° swiveling hose holders



**CCLS-60 | CCLS5-60 5/16"**  
KOBRA® Secure Sealed refrigerant charging hoses with low-loss, UL-approved for R410A



**TRQ1080**  
7.375-59.004 pound-feet (10-80 N-M) torque wrench with 6 spanner heads (17, 22, 24, 26, 27 and 29 mm) and 1/2" DR Ratchet head



**T30600**  
Ratcheting, eccentric cone flaring tool with internal clutch to prevent over-torquing. For tube OD: 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4"



**A32525N 1/4" | A32535N 5/16"**  
Valve core remover tool with side port for removing valve cores without losing system charge



**SHLD-P4 1/4" | SHLD-E4 5/16"**  
SHIELD® Refrigerant locking cap with water-resistant rubber sleeves color coded for R410A



**T30605**  
Metric (2-8 mm) and Imperial (5/64" - 1/4") hex key sets



**NFT5-4 1/4" | NFT5-5 5/16"**  
Five finger-tight 1/4" o-ring sealed brass caps



**A31656 1/4" | A31665 5/16" male**  
Brass adapters for 5/16" - 1/4" SAE connections

## ACCESSORIES

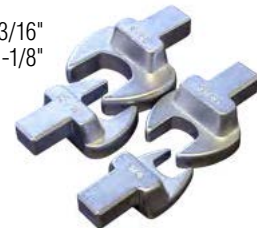


**JB-TOOLBAG1**  
Heavy-duty canvas JB tool bag



**JB-BACKPACK1**  
Heavy-duty JB canvas backpack

5/8", 13/16"  
15/16", 1-1/8"



**TRQ-IMP**  
Torque wrench imperial heads for TRQ1080

# HOSES

# KOBRA®

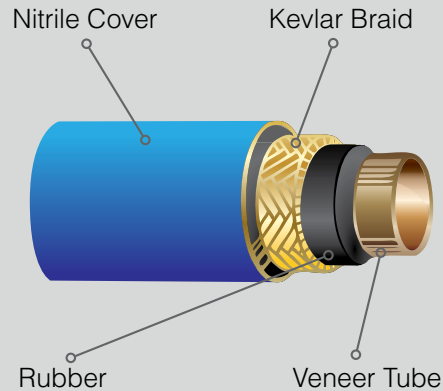
FAST - FIERCE - FLEXIBLE



## KOBRA® HOSE OVERVIEW

- Kevlar lined for strength and flexibility
- All brass fittings open to maximum flow
- No blow-outs at high pressures
- UV protective bag to protect color fading
- Hose fittings field repairable with replacement parts and rebuild kits
- Provides an industry superior 5-1 safety factor
- Custom length and fitting combos available; contact customer service

## ANATOMY OF THE KOBRA® HOSE



## GASKET SEAL HOSES (CLE)

**800 PSI WORKING – 4000 PSI BURST\*** 

KOBRA® CLE series feature a new 14 TPI pitch knurl to provide an improved grip for easier sealing and greater comfort with a blow-out resistant gasket. The patent pending design features a hood that locks the gasket into the fitting with a straight edge to straight edge force that eliminates the blow-out of the gasket. The barbed depressor locks into the gasket exerting more outward force pushing the gasket further into place. The depressor is precisely machined, has a dimple that guides the valve core into place, and is designed to provide maximum flow.

*\* 3/8" Gasket Sealed Hoses are 600 psi working – 3000 psi burst*



CCLC-60

## SECURE SEAL HOSES (CLS)

**800 PSI WORKING – 4000 PSI BURST** 

The Secure Seal Hose is one of the only UL recognized hoses for use with R410A. Our CCLS series of KOBRA® hoses open to full flow and have a low loss fitting that traps the refrigerant inside the hose to help meet non-venting requirements. The internal thrust washer ensures free rotation. The secure seal fitting is rebuildable with a parts kit. The low loss fitting is offered on our Kevlar-lined KOBRA® high pressure hose.



CCLS-60



# HOSES

## KOBRA® CLS SERIES HOSE



CLS Hoses feature a UL R410A approved secure-seal, specially designed to lock refrigerant inside the hose without the need for a ball valve attachment. CLS Series Hoses are fully field repairable with low-loss UL approved fittings.

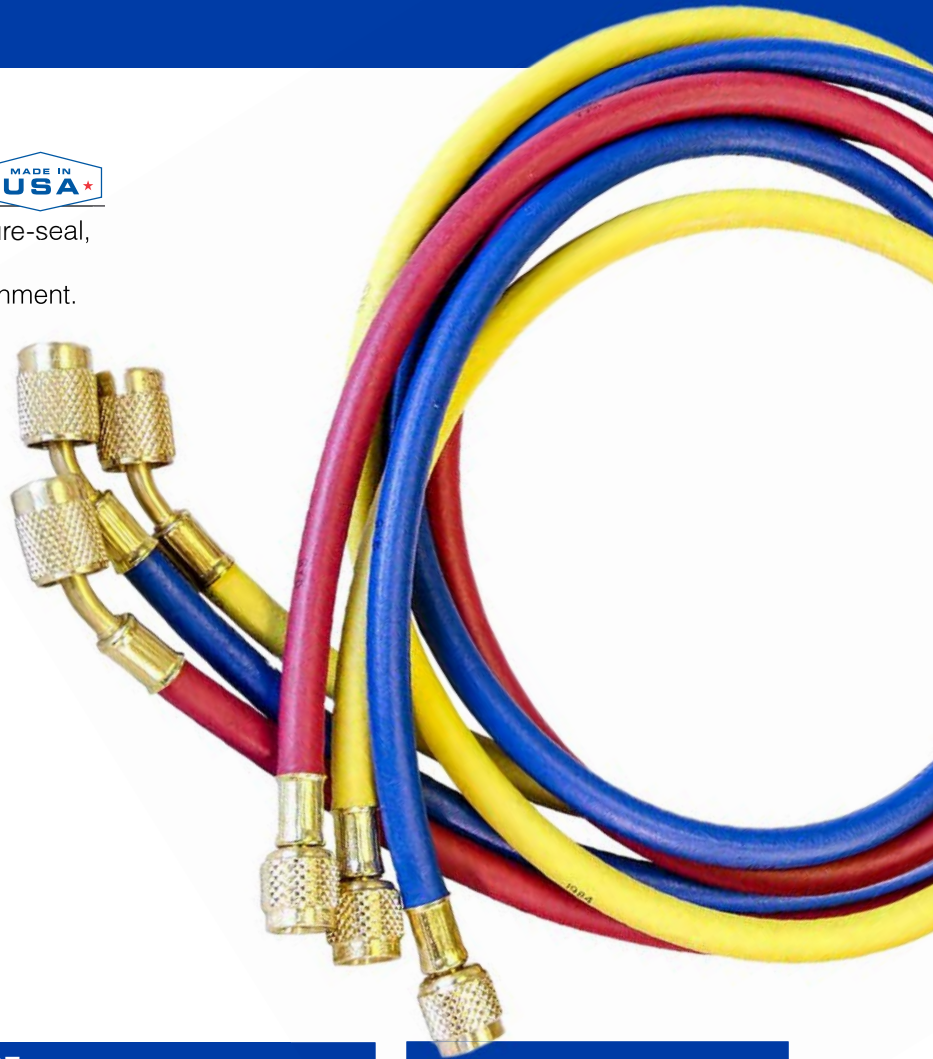
800 - 4000 PSI

Fully rebuildable with kit and snap ring pliers

Stainless steel thrust washer insures free rotation even under high pressure

Three point contact on depressor

*Full rebuild/repair instructions for CLS hose fittings (33112N and 33113N) on page 55.*



CLS SERIES - KOBRA® SECURE SEAL HOSE					
LENGTH	BLUE	YELLOW	RED	BYR (3 PACK)	BYR PLUS BLACK 3/8" (4 PACK)
36" (91 cm)	CLS-36B	CLS-36Y	CLS-36R	CCLS-36	CCLS4-36
48" (122 cm)	CLS-48B	CLS-48Y	CLS-48R	CCLS-48	CCLS4-48
60" (152 cm)	CLS-60B	CLS-60Y	CLS-60R	CCLS-60	CCLS4-60
72" (182 cm)	CLS-72B	CLS-72Y	CLS-72R	CCLS-72	CCLS4-72
10' (3 m)	CLS-120B	CLS-120Y	CLS-120R	---	---
25' (7.6 m)	CLS-300B	CLS-300Y	CLS-300R	---	---
50' (15.2 m)	CLS-600B	CLS-600Y	CLS-600R	---	---
75' (22.8 m)	CLS-900B	CLS-900Y	CLS-900R	---	---
100' (30.5 m)	CLS-1200B	CLS-1200Y	CLS-1200R	---	---

CLS5 SERIES - 5/16" KOBRA® SECURE SEAL HOSE					
LENGTH	BLUE	YELLOW	RED	BYR (3 PACK)	BYR PLUS BLACK 3/8" (4 PACK)
36" (91 cm)	CLS5-36B	CLS5-36Y	CLS5-36R	CCLS5-36	---
48" (122 cm)	CLS5-48B	CLS5-48Y	CLS5-48R	CCLS5-48	---
60" (152 cm)	CLS5-60B	CLS5-60Y	CLS5-60R	CCLS5-60	---
72" (182 cm)	CLS5-72B	CLS5-72Y	CLS5-72R	CCLS5-72	---

*BYR set includes 5/16" blue and red hose with 1/4" yellow, 4-Pack includes a 3/8" KOBRA® black charging hose. For large nut KOBRA® CLS series hoses contact customer service.*

SECURE SEAL KOBRA® REBUILD PARTS AND QUICK COUPLER SHUT-OFF FITTINGS	
33112N	1/4" QC x 1/4" SAE
33113N	1/4" QC x 1/4" SAE 90°
33112RK	1/4" QC rebuild kit
33115N	5/16" QC x 1/4" SAE
33116N	5/16" QC x 1/4" SAE 90°
33115RK	5/16" QC rebuild kit
T21295	Snap ring pliers for rebuilding KOBRA® CLS and CLS5 Secure Seal fittings
P90022	Replacement o-ring for T21295 and 33112RK