

# 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.

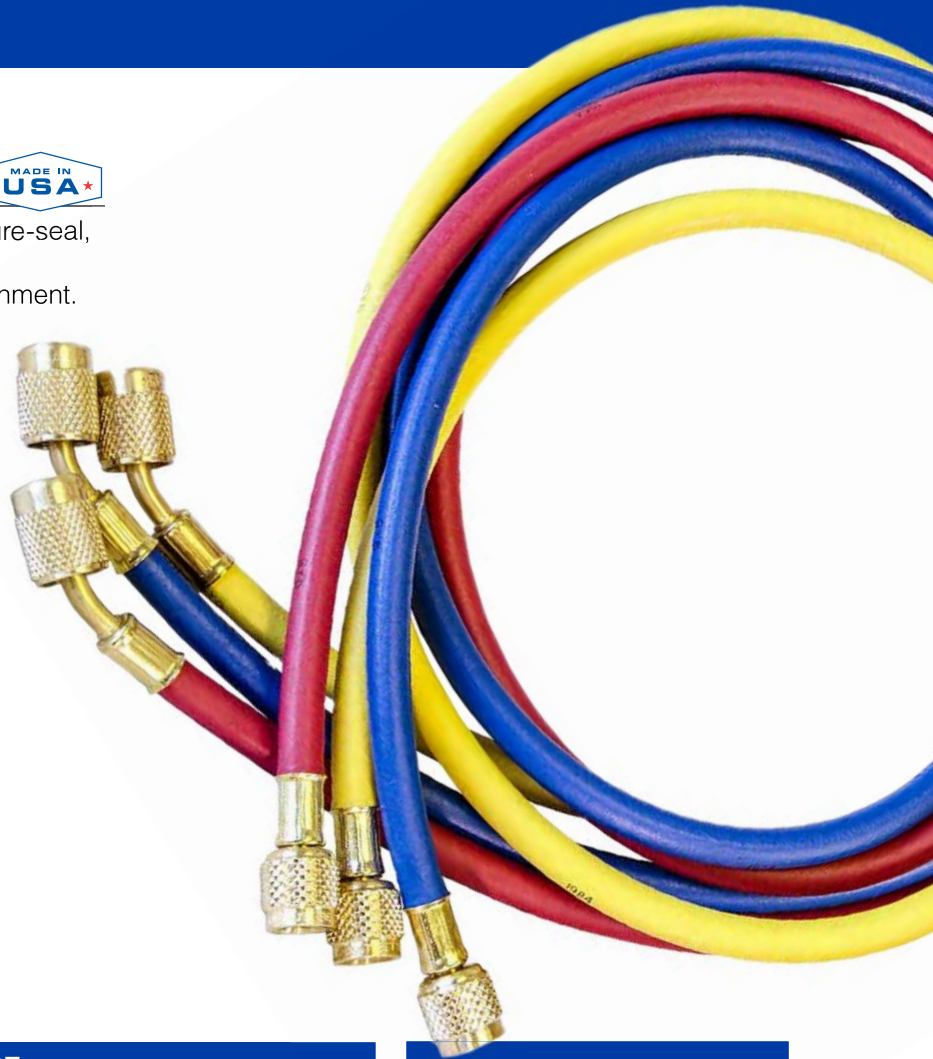
800 - 4000 PSI

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                                |

# HOSES

## SECURE SEAL REBUILD KIT

### CLS SERIES HOSES ARE FIELD REPAIRABLE WITH LOW-LOSS, UL APPROVED FITTINGS

**Step 1:** Hold the cup in one hand so that the slotted face of the cup is exposed. Pinch the cup seal o-ring and insert it into the large groove to seat it correctly as shown.



**Step 2:** Install the barb seal o-ring in the groove located between the hex feature and the back portion of thread. Gently stretch and pull it over the threads of the barb fitting. Ensure the seal is not torn or damaged.



**Step 3:** Insert bushing/seal into the thread side of the cup. Brass bushing side goes in first with seal facing up as shown.



**Step 4:** Insert depressor with 3 blade feature into the cup assembly. The depressor fits into the bushing/seal installed in the previous step. The depressor must sit flat and true to the seal surface.



**Step 5:** Place spring into cup assembly over the boss on the back side of the depressor.



**Step 6:** Screw cup assembly, with spring in an upward position, onto hose barb fitting. Hand tighten the cup to the barb ensuring cup seats over the barb gasket (o-ring) and does not damage the o-ring.



**Step 7:** Tighten the cup and hose barb using the 9/16" open end wrench and 1/16" steel blade. Do not over tighten. Only 25 to 30 in/lbs is required.



**Step 8:** Insert barb/cup assembly into the coupler. Seat the thrust washer flat onto the hose barb and inside the coupler. Now install the internal snap ring and seat it into the groove of the coupler.



**33112RK**  
Secure Seal rebuild kit

**33112N**

**33113N**

**33112RK**  
REBUILD KIT  
INCLUDED  
WITH **T21295**  
SNAP RING  
PLIERS

**T21295**  
Snap ring pliers

### KOBRA® HOSE REPAIR AND REPLACEMENT PARTS

| PART NO.      | DESCRIPTION  |
|---------------|--|
| <b>P511</b>   | CLE, CLV and CLB Series replacement gasket   |
| <b>P90514</b> | CLE, CLV and CLB Series replacement depressor  |
| <b>P90016</b> | 3/8" KOBRA® Black and yellow charging hose replacement o-ring for CL6HD, CCLV, CL6 and CLV6 series hoses |
| <b>P90008</b> | 1/2" Heavy-duty black charging hose replacement o-ring   |

### SECURE SEAL KOBRA® REBUILD PARTS

| PART NO.       | DESCRIPTION  |
|----------------|--|
| <b>33112N</b>  | 1/4" QC x 1/4" SAE   |
| <b>33113N</b>  | 1/4" QC x 1/4" SAE 90°   |
| <b>33112RK</b> | 1/4" QC rebuild kit  |
| <b>33115N</b>  | 5/16" QC x 1/4" SAE  |
| <b>33116N</b>  | 5/16" QC x 1/4" SAE 90°  |
| <b>33115RK</b> | 5/16" QC rebuild kit   |
| <b>T21295</b>  | Snap ring pliers for rebuilding KOBRA® CLS and CLS5 Secure Seal fittings |
| <b>P90022</b>  | Replacement o-ring for T21295 and 33112RK                                |



**CCLS-60**  
Secure Seal  
KOBRA® Hose



For full secure-seal disassembly/re-assembly instructions, visit us online at [www.jbind.com](http://www.jbind.com).