

SPECIALTY HAND TOOLS

COMPLETE TOOL KITS FOR FAST,
CONVENIENT REPAIRS



UNIVERSAL R-410A SERVICE TOOL KITS

Our tool kits contain everything you need to service ductless mini-split and central A/C systems with 1/4" & 5/16" service ports including the following components;

TLB410A



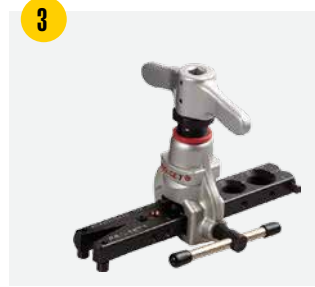
Two Valve Service Manifold
(Varies by kit. See chart below)

- R-410A/R-22/R404A gauges
- 1/4" SAE fittings
- Triple seal valve system



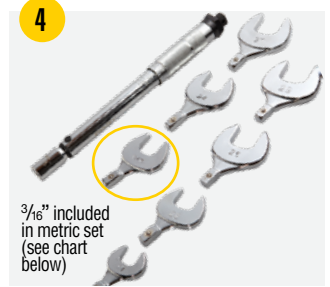
Premium 3-Pack 5' Hoses
(Varies by kit. See chart below)

- 1/4" SAE 45° fittings
- 800Psi working pressure
- 4000Psi burst pressure



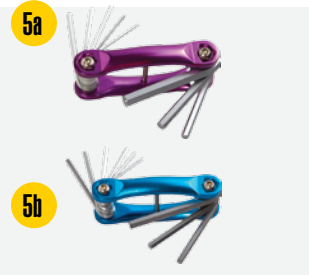
Flaring Tool

- Clutch driven feed screw
- Eccentrically mounted cone
- Creates perfect, strong flares
- Ratchet drive in yoke
- 3/16", 1/4", 1/8", 3/8", 1/2", 1/8", 3/4"



Torque Wrench Sets;

- Metric Set: 12, 22, 24, 26, 27, 29 mm and 19/16" jaw sizes
- or-
- Imperial Set: 5/8", 11/16", 13/16", 15/16", 11/16", 15/16"



(1) Imperial and (1) Metric Hex Key Set

- Metric Set: 1.5, 2, 2.5, 3, 4, 5, 6, 8 mm
- Imperial Set: 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"



Valve Core Tool

- 5/16" female fitting allows direct connection to mini-split service ports
- 5/16" female x 1/4" SAE male



Brass Adapters and Caps

- (10) 1/2"-20 UNF Caps, (2) Male: 1/4" SAE 55D; female; 1/2"-20 UNF SWVL, and (2) Male: 1/4" SAE female; 1/2"-20 UNF



13" Large Square Tool Bag

- 24 separate compartments for quick, easy-access
- Molded handle for durability and comfort

Kit Contents	Qty	UNIVERSAL SERVICE TOOL KITS					
		TLB410A	TLB410SAE	TLB410KIT	TLB410AC	TLB410ACE	TLB410IM
1 2 Valve Manifold	1	Pro-Set® Piston Pink Body 1/4" SAE 45° fittings "H" Gauge (MEHP5E)		Pro-Set® Premium Piston Series Manifold (#MT2HP)	BLACKMAX® Black & Chrome 1/4" SAE 45° fittings "H5" Gauge (MBH5P5Z)	BLACKMAX® Black & Chrome 1/4" SAE 45° fittings "H5" Gauge (MBH5P5EZ)	No Manifold
2 Hoses	1	Pro-Set® Premium (3) 5' red/blue/yellow ball valve hoses			Pro-Set® Premium (3) 5' Black & Chrome hoses	Pro-Set® Premium (3) 5' Black & Chrome ball valve hoses	No Hoses
3 Flaring Tool	1	FT800N		BFT850	FT800N		
4 Torque Wrench Set	1	Metric TLTWSM	SAE/Imperial TLTWSAE	Universal Handle with SAE/Imperial & Metric Heads	Metric TLTWSM		
5a Hex Wrench Set (Metric)	1	TLSWHM					
5b Hex Wrench Set (Imperial)	1	TLSWH					
6 Valve Core Tool	1	TLVC410A					
7 Brass Adapters and Brass Caps	14	Includes; (10) AVC410 1/2"-20 UNF SAE Brass Caps, (2) AD87 Brass Adapter Male: 1/4" SAE 55D; female; 1/2"-20 UNF SWVL w/ Valve Core Tool, and (2) AD87S Brass Adapter (Male: 1/4" SAE; female; 1/2"-20 UNF) w/Valve Core Tool					
8 Tool Bag	1	TLBAG1	TLBAG1	TLBAG1	TLBAG1		

Call and speak to a specialist. | Toll Free: (800) 277-3808 | Customers outside the USA: (305) 687-4121



TLB410KIT

R410A SERVICE TOOL KIT

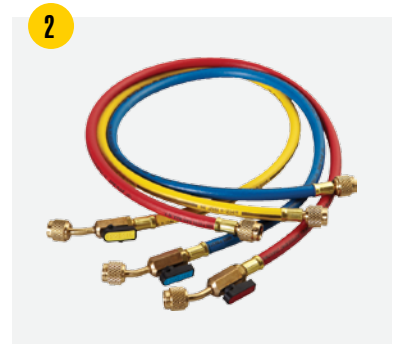
Tool kit includes:

- Pro-Set® Premium Piston Series Manifold
- 5' Premium Pro-Set® Charging Hoses
- Imperial and Metric Hex Key Sets
- Valve Core Tool
- Brass Adapters and Caps
- Large, 16" Rubber Bottom Tool Organizer
- Imperial and Metric Torque Wrench Set and Instructions
- BLACKMAX® Tube Cutter 1/8" to 1-1/4"
- BLACKMAX® Tube Flaring Tool
- BLACKMAX® Deburring Tool with extra blade
- R410A Flare Size Gauge



Pro-Set® Premium Piston Series Manifold #MT2HP

- 2 valve anodized aluminum block body
- 1/4" SAE 45° fittings
- Triple Seal piston valves
- Sure grip rubber over metal valve handles
- 3 1/8" (80 mm) Class 1.0 accuracy gauges
- Protective gauge boots
- Extra access port in center with Schrader valve and hanging hook

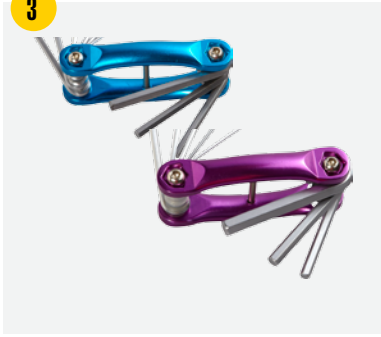


5' Premium Charging Hoses

#HP5BE-Blue, HP5RE-Red, HP5YE-Yellow

- 1/4" hoses with SAE fittings, 45° ball valve on one end
- 800PSI working pressure
- 4000PSI burst pressure
- Leak-proof 8-sided crimp
- Extra deep knurling
- Adjustable valve core depressor
- Blow off grooves preventing spray back

3



Hex Key Sets

(1) Imperial #TLSWH

5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"

(1) Metric #TLSWHM

1.5, 2, 2.5, 3, 4, 5, 6, 8mm

4



Valve Core Tool #TLVCS410A

Unique configuration of tool enables use of standard 1/4" SAE manifold/hose sets with R-410A systems incorporating 5/16" (1/2"-20UNF) service ports.

- Designed to remove and install valve core without losing system charge
- Increases evacuation and charging speed by creating unrestricted access

5



Large, 16" Rubber Bottom Tool Organizer #TLBAG2

- Separate compartments for quick, easy-access
- Molded handle for durability and comfort
- Rubber bottom

7



BlackMAX® Tube Cutter 1/8" to 1-1/4" #BTC300

- Two quick-change, chromed, hardened cutting wheels
- Enclosed feed screw eliminates clogging, jamming
- SetNCut™ spring-loaded cutting wheel for a perfect cut every time

8



BlackMAX® Tube Flaring Tool #BFT850

- Aluminum body is 50% lighter than steel designs
- Internal clutch indicates when formed flare is complete
- Eccentric cone forms precise 45° flared ends
- Creates perfect, strong flares
- For 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" O.D. soft copper, aluminum tube

9



Torque Wrench Set with (1) Universal Handle #TLTWSAE and (8) Imperial and (6) Metric wrenches (part numbers below) and instructions

Heads			
	Metric		Imperial
17mm	#TLXTWM17	5/8"	#TLXTW58
22mm	#TLXTWM22	11/16"	#TLXTW1116
24mm	#TLXTWM24	13/16"	#TLXTW1316
26mm	#TLXTWM26	15/16"	#TLXTW1516
27mm	#TLXTWM27	1 1/16"	#TLXTW1L116
29mm	#TLXTWM29	1 5/16"	#TLXTW1L516

10



Brass Adapters and Caps

- (10) 1/2"-20 UNF Caps #AVC410
- (2) Male: 1/4" SAE 55D; Female: 1/2"-20 UNF SWWL, #AD87S and
- (2) Male: 1/4" SAE Female; 1/2"-20 UNF #AD87

11



BlackMAX® Deburring Tool

with extra blade inside handle

- Quick-change blade
- Solid aluminum body

#BTLDB3

12



R410A Flare Size Gauge

- #FTXS
- 6.4 mm, 1/4"
 - 9.5 mm, 3/8"
 - 12.7 mm, 1/2"
 - 15.9 mm, 5/8"
 - 19.1 mm, 3/4"

CPS® EXTRA DURABLE TOOL BAGS

Organize your tools with care with this extra strong, premium built series of tool bags from CPS.



TLBAG1
Square Tool Organizer



TLBAG2
16" Rubber Bottom Tool Organizer



TLBAG3
Tool Belt Tool Organizer

ALUMINUM, RECHARGEABLE WORK LIGHT- WITH 53 LEDs, HANGING HOOK, CAR & WALL PLUG CHARGER

Simply the best work light you will ever own, the **TLWL53A** is precision machined from aircraft grade aluminum and anodized for long life. Fifty three proprietary high output LEDs are incorporated in the work light segment with a 1W Luxeon LED integrated in the top. A powerful 2500mAh Ni-Mh rechargeable battery keeps the lights burning for hours; 7-8 hr for Luxeon spot, 4-5 hr for 53 white LEDs. The professional quality and intense output of the **TLWL53A** outperforms many competitive units incorporating 70 or more standard LEDs. Ideal for air conditioning contractors municipalities, law enforcement, fire fighters,

automotive technicians, and wherever else a high performance, professional, durable work light is needed.

- Rugged anodized aluminum body
- Super bright 1w Luxeon spot
- 53 Proprietary high lumen output LEDs
- Integrated 2500mah 3.5V rechargeable battery
- Strong magnetic base for attaching to metal surfaces
- Universal UL/CUL electronic wall and car chargers included
- Superior durability and shock resistance
- High quality reflector lens
- Wall and car charger included
- One year warranty



TLWL53A

Visit us online at www.cpsproducts.com

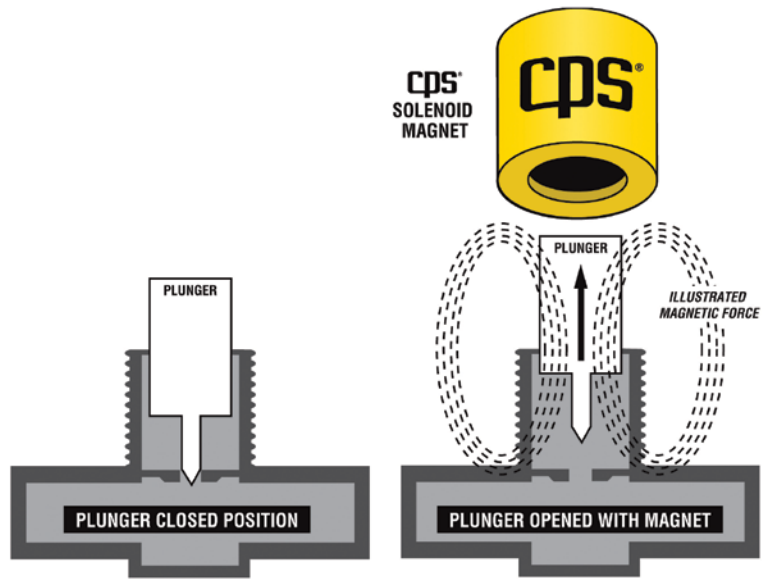


TLMKC18

CPS® SOLENOID MAGNET

The **TLMKC18** is designed to manually open solenoid valves by magnetically lifting the stem assembly and plunger. Simply slide the **TLMKC18** over the valve's enclosing tube and the industrial grade magnets incorporated inside the rugged ABS plastic housing does the rest. It is an ideal tool for trouble shooting/servicing both direct connected or pilot operated 2-way solenoid, 3-way reclaim or 4-way reversing valves.

- 0.75"/18 mm opening fits all common manufactured valves



CPS® COMPACT MAGNETIZER/DEMAGNETIZER

Use the **TLMAG1** to magnetize tools in order to keep small screws and nuts in position, especially helpful when working in confined spaces, or demagnetize tools when working on or near electronic circuit boards. Simply insert a screwdriver or nut driver into the (+) opening, slowly draw it out and it's magnetized. Leave the magnetizer on the tool for extra strength. To demagnetize, slowly draw the tool through the smallest area of the (-) opening.

- Instantly magnetize or demagnetize steel tools & parts
- Incorporates two C5 industrial strength magnets
- Impact resistant ABS molded plastic
- No batteries or electricity required
- Compact design: 2" x 2" x 1"



TLMAG1

CPS® DUCT KNIVES

Used to fabricate fiberglass duct board. Stainless steel double edge resharpenable blade facilitates easy piercing for inside cuts. The double edge is also ideal for tapping into and trimming flex duct. Available with either ergonomic cushioned or a comfortable walnut wooden handle.



TLDWH
6" (152 mm)
Duct Knife With Wood Handle



TLDKRH
6" (152 mm) Duct
Knife With Rubber
Handle

PRO-SET® ADJUSTABLE HANDLE WRENCH

- Patented light weight composite handle design
- Wide jaw opening with 45% more torque
- Precision machined for smooth operation
- Ergonomic, comfortable grip reduces fatigue
- Durable and environment-resistant
- Packed in clear clamshell
- with printed display card
- One year warranty



TLWA06

Size: 6"
Jaw Capacity:
1⁵/₁₆" / 24 mm

TLWA08

Size: 8"
Jaw Capacity:
1¹/₈" / 29 mm

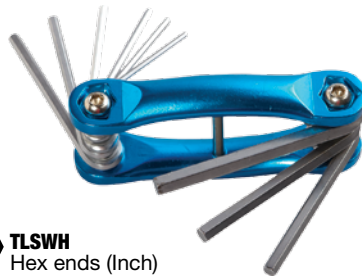
TLWA10

Size: 10"
Jaw Capacity:
1⁵/₁₆" / 33 mm

PRO-SET® HEX KEY WRENCH SETS

Packed in clear clamshell with printed display card

Item	Description
TLSWH	Inch Hex Key Set Nickel Plated (⁵ / ₆₄ " , ⁷ / ₆₄ " , ¹ / ₈ " , ⁹ / ₆₄ " , ⁵ / ₃₂ " , ³ / ₁₆ " , ⁷ / ₃₂ " , ¹ / ₄ ")
TLSWHM	Metric Hex Wrench Set Nickel Plated (1.5, 2, 2.5, 3, 4, 5, 6, 8 mm)
TLSWT	Torx Wrench Set Nickel Plated
TLSWB	Inch Ball Point Key Set Nickel plated (⁵ / ₆₄ " , ⁷ / ₆₄ " , ¹ / ₈ " , ⁹ / ₆₄ " , ⁵ / ₃₂ " , ³ / ₁₆ " , ⁷ / ₃₂ " , ¹ / ₄ ")
TLSWHB	Inch Hex Wrench Combo Set: Includes TLSWH (Inch Hex Key) & TLWSB (Inch Ball Point Key Set)



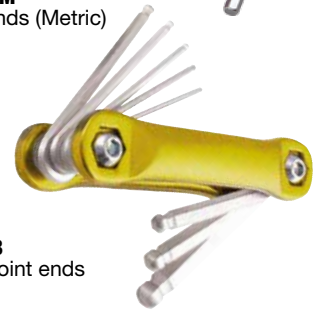
TLSWH
Hex ends (Inch)



TLSWHM
Hex ends (Metric)



TLSWT
Torx ends



TLWSB
Ball point ends (Inch)



PRO-SET® SERVICE WRENCHES

- Metal construction
- Embossed fractions and logo
- Polished chrome finish

PRO-SET® SERVICE WRENCHES

Item	Description	Qty.
TLSWL	³ / ₁₆ " , ¹ / ₄ " Square Drive; ¹ / ₂ " , ⁹ / ₁₆ " Hex Drive	1
TLSWLB	³ / ₁₆ " , ¹ / ₄ " Square Drive; ¹ / ₂ " , ⁹ / ₁₆ " Hex Drive (bulk pack)	100
TLSWO	³ / ₁₆ " , ¹ / ₄ " , ⁵ / ₁₆ " , ³ / ₈ " Square Drive. Offset ends	1
TLSWOB	³ / ₁₆ " , ¹ / ₄ " , ⁵ / ₁₆ " , ³ / ₈ " Square Drive. Offset ends (bulk pack)	100
TLSWOA	³ / ₁₆ " , ¹ / ₄ " , ⁵ / ₁₆ " , ³ / ₈ " Square Drive. Offset ends. Includes ³ / ₁₆ " & ⁵ / ₁₆ " Hex Driver Bit	1
TLWS	³ / ₁₆ " , ¹ / ₄ " , ⁵ / ₁₆ " , ³ / ₈ " Square Drive	1
TLWSA	³ / ₁₆ " , ¹ / ₄ " , ⁵ / ₁₆ " , ³ / ₈ " Square Drive. Includes ³ / ₁₆ " & ⁵ / ₁₆ " Hex Driver Bit	1
TLWSB	³ / ₁₆ " , ¹ / ₄ " , ⁵ / ₁₆ " , ³ / ₈ " Square Drive (bulk pack)	100



PRO-SET® TORQUE WRENCHES

Professional interchangeable jaw torque wrench set ensures compliance with OEM torque settings for high pressure systems.

- SAE (Inch) Or Metric Sets: Both include 6 sizes of interchangeable ends
- **Inch Wrench Settings** in Inch-Pounds (60-960) or Foot-Pounds (5-80)
- **Metric Wrench Settings** in Newton-Meters (10-75)
- Polished chrome finish
- Provides consistently accurate readings and rugged, trouble-free performance
- Includes instruction sheet and molded storage case

PRO-SET® TORQUE WRENCHES			
IMPERIAL		METRIC	
TLTWSAE	SAE Multi-Head Torque Wrench Set with handle, heads and case (5/8", 11/16", 13/16", 15/16", 1 1/16", 1 5/16")	TLTWSM	Metric Multi-Head Torque Wrench Set with handle, heads and case (17, 22, 24, 26, 27, 29 mm)
TLXTWSAE	Set of SAE Wrench Heads 5/8", 11/16", 13/16", 15/16", 1 1/16", 1 5/16" Jaw Sizes	TLXTWM	Set of Metric Wrench Heads: 17, 22, 24, 26, 27, 29mm Jaw Sizes
TLXTWSAEW	SAE Torque Wrench Handle	TLXTWMMW	Metric Torque Wrench Handle
INDIVIDUAL WRENCH HEADS			
TLXTW58	5/8"	TLXTWM17	17mm
TLXTW1116	11/16"	TLXTWM22	22mm
TLXTW1316	13/16"	TLXTWM24	24mm
TLXTW1516	15/16"	TLXTWM26	26mm
TLXTW1L116	1 1/16"	TLXTWM27	27mm
TLXTW1L516	1 5/16"	TLXTWM29	29mm



PRO-SET® SWAGE PUNCH SET
5 Punches (1/4", 5/16", 3/8", 1/2", 5/8")



PRO-SET® TUBE PIERCING PLIERS
Tube Piercing Pliers 1/4"

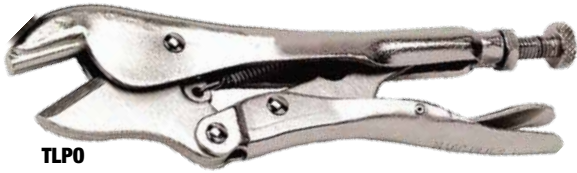


PRO-SET® HAND OIL PUMP

TLOP



PRO-SET® PINCH-OFF & RE-ROUND TOOL
Pinch-Off tool & rerounds 1/4", 5/16", 3/8", and 1/2" copper and tubing



TLPO

PINCH-OFF PLIERS

- Tool locks onto tubing to prevent loss of refrigerant during service
- Rounded jaws to avoid cutting tubing
- Fast release mechanism
- 1 year warranty



TLMSP

6-in-1 SWAGING PUNCH

- (3/16", 1/4", 5/16", 3/8", 1/2", 5/8")
- Swages six sizes of tubing
- Chrome plated for strength and durability



TLFC1
Universal Metal Fin Comb



TLFC6
Repair bent condenser fins with the TLFC6 Universal 6-sided fin comb straightening tool.



TLFC2
Fin Straightener with large durable, easy grip handle.



TECH-SET™ SERVICE WRENCHES	
Metal handles with frosted finish and blister card packaging	
Item	Description
TSWS	Small Service Wrench: 3/16", 1/4", 5/16", 3/8" Square Drive
TSWSO	Small Offset Service Wrench: 3/16", 1/4", 5/16", 3/8" Square Drive
TSWSH	Large Service Wrench: 3/16" & 1/4" Square Drive; 1/2" & 9/16" Hex Drive

**TECH-SET™
INSPECTION
MIRRORS**

For fast, accurate inspection of any hidden area. Universal ball joints hold mirrors firmly at any angle.



TLMIR1
Circular Telescoping Mirror
1 1/4" diameter



TLMIR2
Circular Telescoping Mirror
2 1/4" diameter



TLMIR3
Rectangular Telescoping Mirror
3 1/2" x 2"



TLMIR4
Oval Pocket Mirror
1" x 2"