

**EATON**

**Aeroquip**

**E-Z Clip System Assembly Instructions**



 **Aeroquip**<sup>®</sup>

# Aeroquip Proudly Introduces... The E-Z Clip™ System

The E-Z Clip System is designed for assembly with Aeroquip GH134 Multi-Refrigerant hose. Its engineered connection exceeds SAE J2064 and has been vibration and impulse tested.

The benefits of E-Z Clip are virtually endless:

- No guess work
- No leaking crimps
- No power supply needed
- As easy to use as a pair of pliers
- Easy to use in confined areas



## Assembly Materials Checklist:

- Pliers (FT1357)
- Guillotine blade (FT1356) or equivalent cutting tool
- Refrigerant oil compatible with refrigeration or A/C system
- GH134 Multi-Refrigerant hose
- Nipple assembly\*
- Appropriately sized clips and cage



\* NOTE: The two black O-rings on the nipple assembly are of a specific rubber compound and size. They should **NOT** be removed or replaced.

# E-Z Clip System Components Are Simple To Identify, Order, And Use.

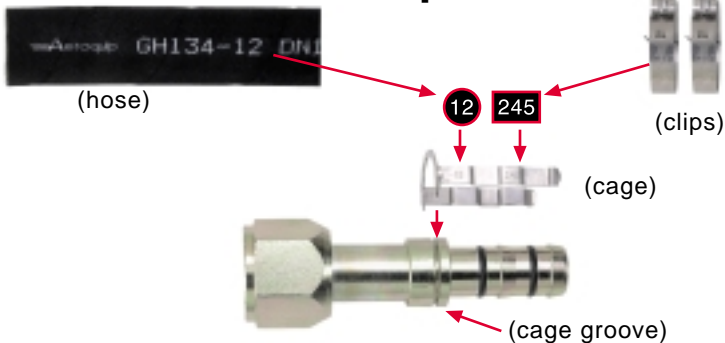
## Ordering Information

| HOSE     | NIPPLE      | CAGE        | CLIPS       |
|----------|-------------|-------------|-------------|
| GH134-6  | FJ___-__06S | 1F40105-06C | 1F40104-06C |
| GH134-8  | FJ___-__08S | 1F40105-08C | 1F40104-08C |
| GH134-10 | FJ___-__10S | 1F40105-10C | 1F40104-10C |
| GH134-12 | FJ___-__12S | 1F40105-12C | 1F40104-12C |

## Identification Guide

| HOSE     | CAGE        | CLIPS |
|----------|-------------|-------|
| GH134-6  | -6 and 150  | 150   |
| GH134-8  | -8 and 175  | 175   |
| GH134-10 | -10 and 200 | 200   |
| GH134-12 | -12 and 245 | 245   |

## For Example



NOTE: Cage will only snap into cage groove of corresponding size.

# E-Z Clip System Assembly Instructions

## E-Z STEP 1: Cut the hose.

Cut the hose to proper length with an appropriate cutting tool. Aeroquip's hand-held hose cutter (FT1356) has been specially designed for cutting all non-wire reinforced hose, such as GH134 Multi-Refrigerant hose. Be sure the cut is made square to the hose length.



## E-Z STEP 2: Slip on two clips.

Install two proper-sized clips onto the cut end of the hose. Orientation of the clips does not affect the performance of the connection. However, for ease of assembly, both clips should have the same orientation.

NOTE: Failure to slide the clips over the hose at this time will require the clips to be stretched over the hose or fitting later. This may permanently damage the clip.



## E-Z STEP 3: Oil the nipple.

Lubricate the nipple with a generous amount of the refrigeration or A/C system's compressor lubricating oil. This **MUST** be done to lower the force of nipple insertion.



## **E-Z STEP 4: Insert the nipple into the hose.**

Insert the nipple into the hose. To ensure that the nipple is fully inserted, check the gap between the cut end of the hose and the shoulder on the nipple. Care should be taken to avoid kinking or other damage to the hose during nipple insertion.

NOTE: Be sure to wipe excess oil from the nipple and hose.



## **E-Z STEP 5: Snap on the cage.**

Snap the cage into the groove on the nipple. The arms should extend over the hose length. When the cage has been correctly installed in the cage groove, the cage will be able to rotate in the groove. This step **MUST** be performed to ensure:

1. The clips will be located over the O-rings on the nipple
2. The connection will be compatible with the connection's pressure rating



## **E-Z STEP 6: Slide the clips.**

Slide the clips over the cage arms and into the channels on each arm.



## **E-Z STEP 7: Close the clips.**

Use the FT1357 pliers to close the clips. The pliers should be positioned squarely on the clip connection points and should remain square during the closing of the clip.



Nose of the pliers should be firmly seated under the assembly bump and lock latch.



**correct**



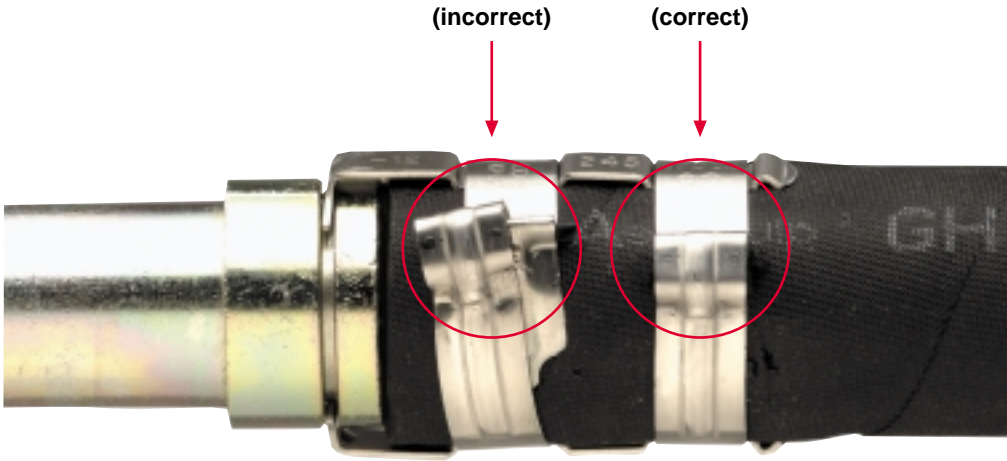
**incorrect**

For easiest assembly, the clasp should be closed between the cage arms.



## • NOTICE •

If the pliers are not kept square during closing of the clip, the clasp may have an offset. Use the pliers to correct the clasp alignment.



E-Z Clip components should not be reused. For recommendations on cleaning and routing hose assemblies, please consult Aeroquip Assembly Bulletin JA776.



**CAUTION:** Failure to follow these assembly instructions and/or the use of Aeroquip hose with fittings supplied by other manufacturers, may result in unreliable and unsafe hose assemblies, which may result in sudden or unintended escape of refrigerant gases. Personal injury and/or violations of EPA regulations may occur as a consequence.

Aeroquip recommends adherence to all guidelines, including EPA guidelines, concerning the service of refrigerant systems.

**Distributed By:**

**Eaton**  
14615 Lone Oak Road  
Eden Prairie, MN 55344  
USA  
Tel: 952 937-9800  
Fax: 952 974-7722  
[www.hydraulics.eaton.com](http://www.hydraulics.eaton.com)

**Eaton**  
20 Rosamond Road  
Footscray  
Victoria 3011  
Australia  
Tel: (61) 3 9319 8222  
Fax: (61) 3 9318 5714

**Eaton**  
Dr.-Reckeweg-Str. 1  
D-76532 Baden-Baden  
Germany  
Tel: (49) 7221 682-0  
Fax: (49) 7221 682-788



**Aeroquip**

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