

## Kswap AC line kit for Acura Integra 94-01 Install Guide:

Below you will find tips on how to install your new Kswap AC lines. \*This AC kit may not be legal for highway use. Hybrid Racing is not responsible for any direct or indirect, actual or incidental expense attributed to the use of any performance parts sold by Hybrid Racing LLC. Purchasers agree to all of the terms of this agreement upon the purchase of parts. More information can be found at www.hybrid-racing.com.

#### Package Contents:

- X3 AC lines
- X1 Relay

#### Features:

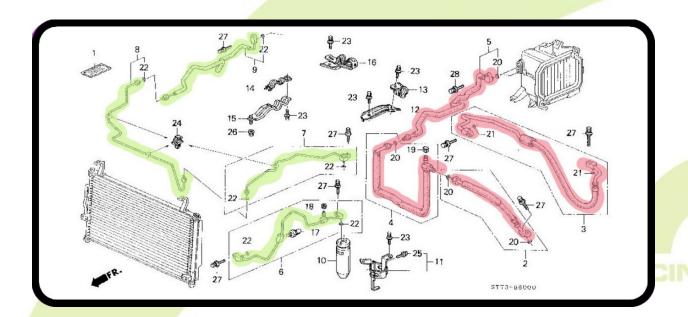
- OEM Style Lines.
- Bolt in no cutting required.
- Integrates with stock AC system.

### **Important:**

Once the AC lines are installed and the wiring is complete you must utilize a certified AC technician to have the system charged. You will need to utilize your OEM evaporator, condenser, receiver/dryer, and four of your OEM lines.



**STEP 1**: Begin by removing the battery and battery tray as well as any stock AC lines that are highlighted RED in image 1 below. Make sure that you keep all of the bolts as you will need to reuse them in step 3.



The GREEN lines above are OEM lines that should still be in your chassis. If you have already removed them please reinstall them. If you no longer have them you can source them from a donor Integra or directly from Acura. The part numbers for the GREEN highlighted lines above are as follows:

- Line 6 80331-ST7-003
- Line 7 80341-ST7-A32
- Line 8 80342-ST7-A02
- Line 9 80343-St7-A01

**STEP 2**: You are now ready to install the three Hybrid Racing K-swap lines. Before installing each line make sure to put a little bit of grease /lubricant on any of the O rings to prevent them from being damaged during installation.

STEP 2A: Line #1 is an aluminum hard line, this line attaches to the firewall and to line #2.

STEP 2B: Line #2 is a soft line that has a blue low side port on it. This line connects to the aluminum hard line #1 as well as connects to your k-series AC compressor.

STEP 2C: Line #3 is a black soft line that connects to the compressor as well as to the condenser located behind your radiator.



- STEP 3: Starting with the Line #1 go ahead and install it onto the firewall. Given the small differences in each chassis you may have to slightly bend the line to get it into place be careful not to kink the line.
- STEP 4: Once you have Line #1 installed go ahead and attach line #2 to the hardline and then to the AC compressor. Make sure that everything is secure and is not in a position to rub or come into contact with the drive belt.
- STEP 5: Finally connect Line #3 to your k-series air compressor as well as to your OEM condenser. Your condenser is located in front of your radiator. The 180 degree fitting connects to the condenser and the other end of the line connects to the compressor.
- **STEP 6:** You should now have all of your OEM lines and Hybrid Racing lines connected. You are ready to move onto the wiring section of the install guide.
- **STEP 7:** Locate the OEM B series AC compressor wire. This should be a one pin connector with a red wire located by the driver side frame rail. Once you have located this wire you will need to extend it to the K-series AC compressor located on the passenger side.
- **STEP 8:** Next find the Hybrid Racing relay that was included with your AC lines and connect the wires as follows to your OEM B-series ECU connector:

#### All DC chassis

WHITE wire PIN 85 12v in the run position

YELLOW wire PIN 87 Ground

#### 94-95 DC chassis

BLUE wire PIN 30 ACC A15 BLK/RED on the stock ECU
BLACK wire PIN 86 ACS B5 BLU/RED on the stock ECU

#### 96-99 DC chassis

BLUE wire PIN 30 ACC A17 BLK/RED on the stock ECU

BLACK wire PIN 86 ACS C5 BLU/RED on the stock ECU

#### 00-01 DC chassis

BLUE wire PIN 30 ACC A17 BLK/RED on the stock ECU
BLACK wire PIN 86 ACS A27 BLU/RED on the stock ECU

- STEP 9: Once the AC lines are installed and the wiring is complete it is recommended that you take the car to a certified AC technician to have the AC system put on a vacuum to be charged as well as to add the necessary amount of PAG (Polyalkylene Glycol) oil to your system. PAG oil lubricates the lines and the compressor just like oil lubricates your engine! If you try and charge your system without adding the right amount of oil it's the same as trying to crank your engine with no oil!
- STEP 10: For each component that was drained of oil, set in a shop/garage or was installed brand new please add to your system the below OEM recommendations for PAG oil. You can add the oil directly to your AC compressor on the high side (if you are looking at it from the front it would be the line on the right or simply the driver side line) or some companies offer oil that can be added through the high side charge port.
  - Any AC Line 10ml or 1/3 fl. oz.
  - Integra Condenser 25ml or 5/6 fl. oz.
  - Integra Evaporator 10ml or 1 1/3 fl. oz.
  - Integra Receiver/Dryer 10ml or 1/3 fl. oz.
  - RSX compressor 130 to 150ml or 4 1/3 fl. oz. to 5 fl. oz.
  - EXAMPLE: If your system was recently opened and only the Hybrid Racing lines were added you would need to add 1/3 fl. oz. per line bringing your total to 1 fl. oz. of oil needed to be added to your system.

**STEP 11:** For best results bring your car to a certified AC shop to complete the work!

You have successfully completed your AC Line Install!

If you have any questions or comments please email support@hybrid-racing.com

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