Parts Included:

A) Defenders of Speed A2A-IC
B) 6X 6mm Fender Washers
C) Pre-Cut Section of Self Adhesive Heat/Anti-Abrasion Shield Material
D) Front Diverter

Tools & Supplies Needed:

A) 3/8” Drive Ratchet Handle
B) 1/4” Drive Ratchet Handle
C) 3/8” Drive X 3” Extension
D) 1/4” Drive X 3” Extension
E) T-30 Torx Bit – 3/8” Drive
F) 8mm socket – 1/4” Drive
G) (optional) 8mm deep socket – 1/4” Drive
H) (optional) 1/4” drive nutdriver handle
I) Denatured Alcohol
J) (optional) Vinyl Application Squeegee
Step 1
Remove 4X T-30 Torx Bolts holding down Intercooler Diverter.

Step 2
Remove 8X T-30 Bolts from intercooler clamps
Remove 4X 8mm Bolts from intercooler brackets.
Step 3

Remove Upper Portion of Intercooler Clamps as shown.

Step 4

Pull upward on supercharger side of intercooler with both hands to release it from the intercooler bellows. – Pull the intercooler free of the bellows. – Remove the OEM bellows at this time if you are upgrading the intercooler bellows to aftermarket silicone parts.
Step 5

Your engine should look like this when the intercooler and bellows are removed.

Step 6

Re-Install OEM bellows or install silicone intercooler boots. – Slide DoS A2A-IC (IC) into outlet side intercooler boot. – Work the IC into supercharger (SC) side intercooler boot by tilting SC side boot slightly upward and then pushing both parts downward onto the SC side IC horn.
– If this does not work, a non-marring nylon pry tool may help to ease the IC into the boot.

*** !!! DO NOT USE ANY METAL PRY TOOLS OR HOSE HOOKS FOR THIS STEP TO AVOID DAMAGING THE PLASTIC ENDTANKS!!!
Step 7

Slide lower half of intercooler clamps beneath intercooler boots.

Step 8

Slide included 6mm fender washers onto intercooler diverter bolts.
2) Loosely re-install 8X intercooler clamp bolts w/T-30 Torx.

1) Loosely re-install intercooler diverter bolts & intercooler brackets.

3) Do a final tightening on all bolts until they are snug – **not deathly tight**. The short intercooler diverter bolts will squeak a bit in the brass inserts. This is OK.

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**Step 10**

Install front diverter as shown by pressing grip edge onto front lip of the intercooler.
Step 11

Remove intercooler diverter from bonnet with an 8mm socket and a Philips head screwdriver.

Step 12a

Remove sound insulation clips from bonnet with a Philips head screwdriver.
Step 12b
Remove sound insulation as shown.

Step 13a
1.) Clean inside of hood near intercooler diverter with denatured or isopropyl alcohol. – 2.) Center heat shield material and align with back edge of intercooler inlet. – 3.) Adhere the top edge only and let the remaining material hang loose.
**Step 13b**

Using a vinyl application squeegee or carefully using your fingertips, rub down the heat shield material working from side to side. Start from the top and gradually rub down the material until you reach the bottom.

**Step 13c**

Using your fingertips, work the corners of the heat shield material behind the struts inside the bonnet.
Step 13d

1.) Replace the sound insulation in the bonnet.
2.) Slide the remaining washers onto the studs for the hood scoop and re-install the 8mm nuts
3.) Re-install the screws that formerly held the intercooler diverter onto the bonnet.

Final installation should look like this when completed.
At this point, double-check all connections/connectors, fasteners, clamps before starting the engine.

NOTES:

1) Check all fittings, fasteners, vacuum lines and electrical connectors near the location of the intercooler to ensure that they are in their proper locations and/ or snugged-down – *not deathly tight* before starting the engine. Overtightening fasteners could crack the intercooler or break the intercooler clamps.

3) Call us at (404) 433-2452 or send Clint an e-mail at clint@defendersofspeed.com if you have any questions or need installation assistance.

Enjoy your new high performance, race ready Copper Air-to-Air Intercooler!

-DoS