Parts Included:

A) Defenders of Speed A2A-IC
B) 4X 6mm Fender Washers
C) 1” X 1” X 33” Self Adhesive Foam Strip

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) “Non-Marring” Nylon Pry tool & scraper set
H) (optional) 8mm deep socket – 1/4” Drive
I) (optional) 1/4” drive nutdriver handle
J) Urethane Supply “Super Clean” 1000-A Plastic Cleaner (or similar).
Step 1
Remove 4X T-30 Torx Bolts holding down Intercooler Diverter.

Step 2
Remove 4X 8mm Bolts from intercooler brackets.
Remove 8X T-30 Bolts from intercooler clamps.
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.
Step 9

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.

Step 10

Remove duct and sealing plate from bonnet using an 8mm socket and a philips head screwdriver. – Remove existing foam strip from sealing plate using a non-marring nylon scraper and a plastic safe cleaner.*

*Urethane Supply “Super Clean” 1000-A plastic cleaner (or similar) works very safely and effectively for this step.
Step 11 (Optional)

**Cut away rubber area indicated by “X.”

(*Optional Phase. Intercooler will still function without this modification.)

Step 12

Remove backing and affix foam seal as shown. The adhesive used on the foam strip is VERY aggressive, so make sure that you are very careful during this step.
Step 13

Reattach duct and sealing plate to bonnet as shown using 8mm nuts and screws.

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 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