

Tech Tip

FROM YOUR FRIENDS AT
NEW YORK BUS SALES!



D3FE (All American) Radiator Cap Relocation

Complaint – The radiator cap is not in a position to be easily removed by drivers or techs who need to check the coolant level.....In many cases there is only room for their thumb and index finger to remove the cap. See Photo #1



Photo #1

Cause – The filler neck is too short and does not bring the cap out far enough to get a good grip on it for some drivers/techs.

Correction – New York Bus Sales has found a supplier that has designed and is making a filler neck which is longer and comes out past the windshield frame allowing drivers/techs to be able to grasp and remove the cap with their whole hand instead of their index finger and thumb.

-Please follow the steps below to remove the short filler neck with the new taller version-

- #1 – Open the engine hood to reveal coolant tank (Photo #2 & #3) – This will work with earlier style hoods which lift out and up as well and the newer style which open out and down
- #2 – As you can see by the first 2 photos, on some units the radiator cap is actually partially covered by the lower windshield frame – The filler neck is smaller in diameter than the radiator cap and will fit even when it seems to close but in some instances you may need to reposition the coolant tank slightly to gain clearance.
- #3 – Remove the overflow hose from the neck (Photo #4).
- #4 – Next use either a 3/32”(earlier models) or a 9/64” hex wrench (Photo#6) to remove the 6 screws holding the neck to the tank (Photos #3 & #4)
- #5 – Once the original neck has been removed, check the “O” ring seal for any signs of damage and replace if necessary. We use common petroleum jelly and apply a light coating to both the neck base and the tank and “O” ring (Photos #7-#9).
- #6 – Using the screws which held the original neck, reinstall the new neck positioning the overflow hose barb in the same position as the original neck. Tighten the screws evenly in a star type manner and reinstall the overflow hose and radiator cap (Photos #10 & #11)
- #7 – Close hood and insure the radiator cap is not contacting the hood, pressure test cooling system paying special attention to the area where the neck is mounted to the tank.
- #8 – Release the vehicle back into service where drivers/techs can now get a good grip on the radiator cap to remove it (Photo #12)



Photo #2

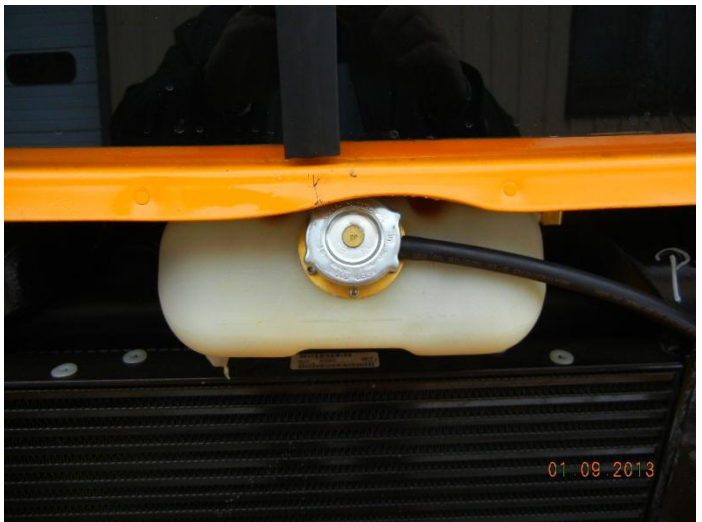


Photo #3

Part # 541-11-00-160A2EXT	\$45.95
NEW BUS OPTION #CHA-112	\$80.95

Please Note – This is NOT a warrantable issue

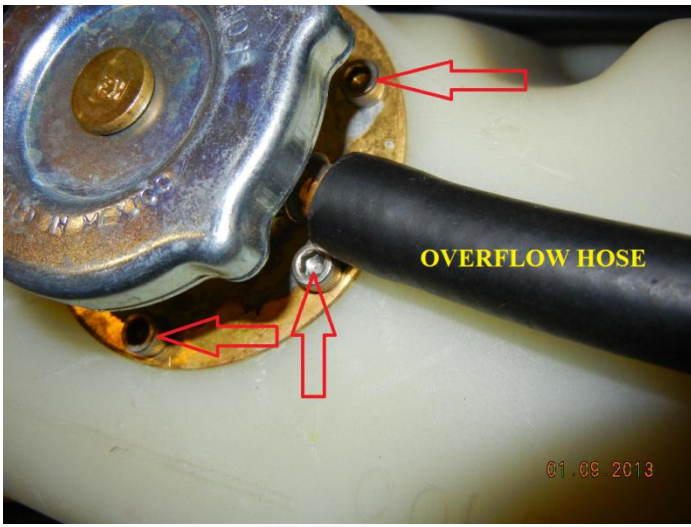


Photo #4

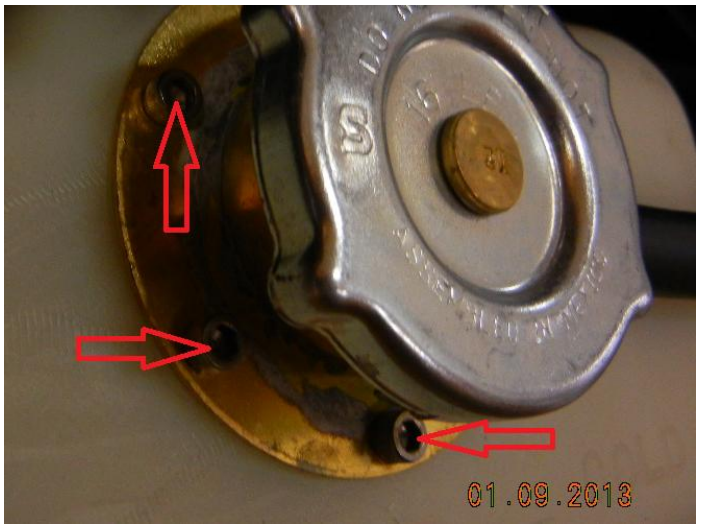


Photo #5



Photo #6



Photo #7

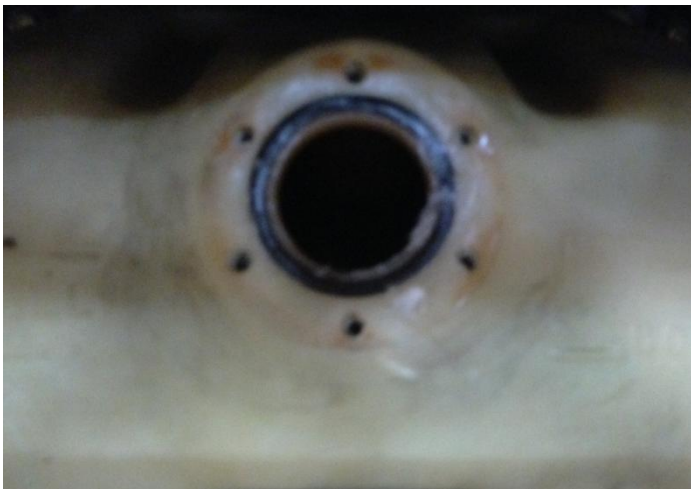


Photo #8



Photo #9



Photo #10



Photo #11



Photo #12



Contact Our Service Department With Any Questions

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ALL of our Tech Tips can be found on the New York Bus Sales website at

<http://www.newyorkbussales.com/pages/bulletins.cfm>

Or at the New York Head Mechanic website at

<http://www.nyhma.org/viewforum.php?f=2&start=0>