

Field Replacement of an Aeris® RAU Hose Adapter Fitting

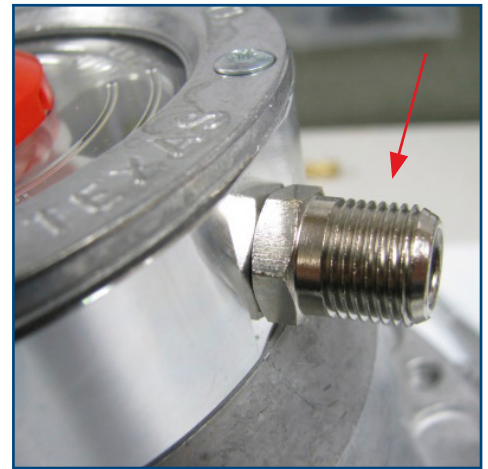
STEP 1 Discharge pressure from the Aeris system. Refer to STEMCO Tech Tip #109 for a quick and easy method to depressurize the system and reinstalling the hoses. The tires will not lose air due to the check valves in each hose.

STEP 2 Unscrew and remove the wheel hose from the Hose Adapter Fitting(s). If it is a dual-tire wheel end, there will be 2 hoses, one to the inner tire and one to the outer. It is not necessary to remove the hose from the valve stem.

STEP 3 Using a 15mm wrench, unscrew the Hose Adapter Fittings (assuming a dual tire wheel-end) from the Aeris hubcap.

STEP 4 Using a small nylon brush or a small fine-wire brush, clean as much of the old thread lock debris out of the internal threads as possible. To ensure the air passageways are clean, momentarily (15 seconds) re-pressurize the system by turning the air inlet valve to the control box "ON". This will send a burst of air into the hubcap, clearing the air passageways. When the inlet valve is closed, the Aeris system will depressurize through the hubcap without the Hose Adapter Fittings.

STEP 5 To install the new fittings, apply a very small amount of Loctite Blue (248 or 242) threadlocker on the male threads, screw in by hand and then torque (**do not use an air impact wrench**) to 8-10 ft-lb. Reattach the wheel hoses to the new Hose Adapter Fittings. Turn the air inlet valve to the control box "ON". Use a soap solution to spray on the Hose Adapter fittings to ensure no air leakage at the base. Also, check tightness of the valve stem fittings to ensure they did not loosen during the fitting replacement.



Typical Aeris Hose Adapter Fitting



*RAU Hose Adapter Fitting
Part No. 831-0024*