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# Spectrum Series Coupler Assembly Instructions

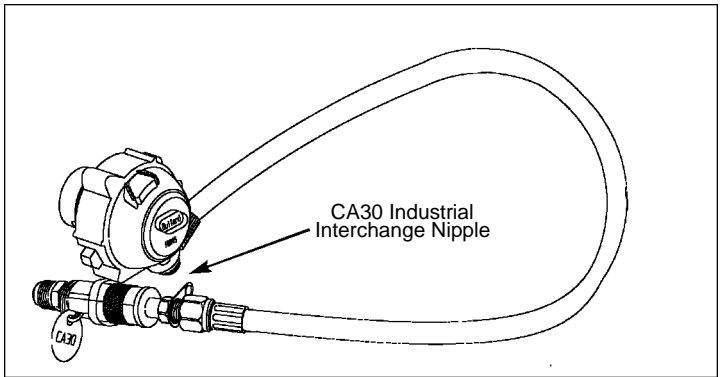
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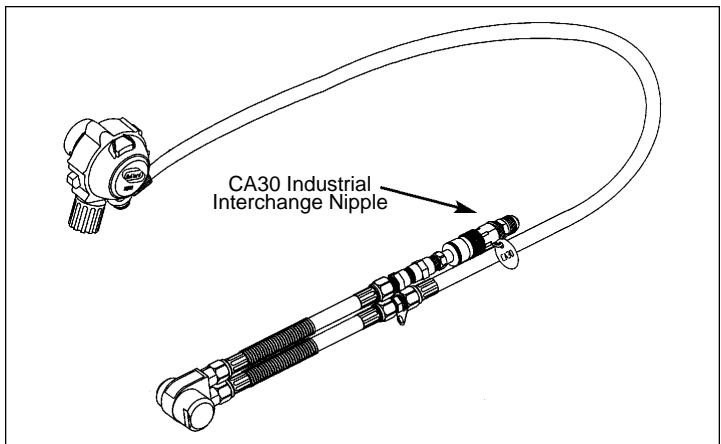
**SPECPDE5L Airline Respirator with 5-minute  
Escape Air Cylinder**

# Coupler Assembly Instructions

Standard assemblies for both the Spectrum-PD and Spectrum-PDE come with a CA30 (Industrial Interchange) coupler assembly. The nipple is assembled onto the second stage regulator hose on the Spectrum-PD (See Figure 1), and onto the first stage regulator hose on the Spectrum-PDE (See Figure 2). The female coupler is snapped onto the nipple for shipment.



**Figure 1**



**Figure 2**

# Coupler Assembly Instructions

To assemble a different coupler assembly on the respirator, follow these steps:

- Remove the Industrial Interchange nipple from the first or second stage regulator, using a wrench to loosen the connection.
- Before connecting the other nipple, ensure that the in-line screen and white retaining ring are still in place inside the female threaded fitting. Be sure to re-install the metal tab (See Figure 3).
- Apply thread sealant on threads of new nipple and tighten with a wrench until wrench-tight and leak-free. (Bullard recommends using Loctite 242 sealant.)
- To attach the female quick-disconnect coupler to the airline hose, screw the coupler onto the airline hose, using the adaptor that is attached to the coupler (See Figure 4). Thread sealant is not necessary at this connection.



Figure 3



Figure 4

**⚠ WARNING ⚠** : Use only Spectrum Pressure Demand components and replacement parts manufactured by Bullard and approved by NIOSH for use with this respirator. Failure to use components and replacement parts approved by NIOSH for use with this respirator voids NIOSH approval of the entire respirator, invalidates all Bullard warranties, and may cause death, lung disease or exposure to other hazardous or life-threatening conditions.

**DO NOT** connect the respirator's air supply hose to nitrogen, oxygen, toxic or inert gases. Failure to connect to the proper air source may result in serious injury or death. Be certain your employer has determined that the breathing air source provides at least Grade D breathable air.



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