
SERVICE INSTRUCTION

REPLACEMENT / UPGRADE OF 75118-01 ANALOG MODULE WITH A11012-00 SERIAL ANALOG MODULE

Note: The Serial Analog Module part number A11012-00 will regulate the output pressure from 10 to 90 psi. Operation outside of these limits is not recommended.

This procedure is only valid for systems using Watts brand pilot operated regulators (volume boosters) model R119. It describes how to convert the pilot regulator to a non-bleed pilot, X71 model. The model number is listed on the side label. See picture below:

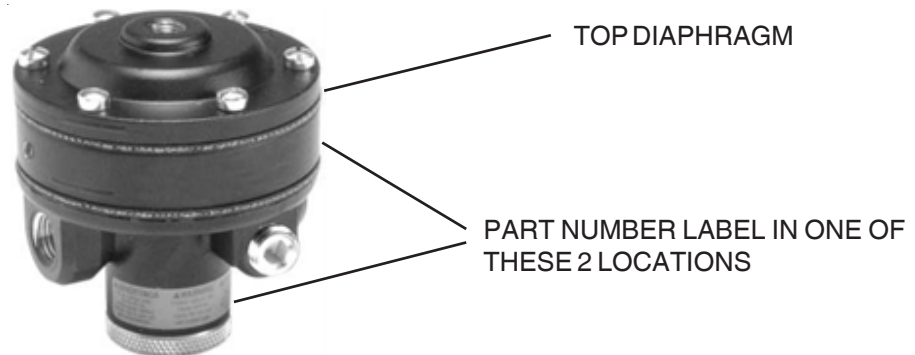


Figure 1

Failure to follow the instructions below will result in fluctuating air pressure out of the Serial Analog module. Due to a difference in regulators, the R119 pilot operated regulator either needs to be replaced with a non-bleed X71 model, or the top diaphragm must be replaced. A new pilot operated regulator can be ordered with the X71 suffix or the non-bleed diaphragm for the installed pilot regulator can be obtained from Parker Pneumatics / Watts FluidAir at (269) 629-5575. For the correct part number, reference the table below:

Existing Pilot Regulator	Port Size	Diaphragm to Convert to X71	Maximum Air Flow
R119-02J	1/4"	RK118-X20Y	100 SCFM
R119-03J	3/8"	RK118-X20Y	110 SCFM
R119-04J	1/2"	RK118-X20A	150 SCFM



CAUTION

- ▶ When removing and replacing electronic components such as the control modules in Ransburg systems, it is extremely important that the power to the rack is off. The electronic components can be damaged if the cards are unplugged or installed with power on the rack.
- ▶ When removing and replacing electronic components such as the control modules in Ransburg systems, it is extremely important that antistatic precautions be observed. Anti-static bags must be used to store boards when not in use. Personnel working with these cards must be free of any static charge and must be grounded to prevent buildup of charge. Equipment used for installation or removal of the cards must be grounded or be rated as anti-static type material. The electronic components can be damaged if subjected to stray static charges.

Diaphragm Replacement Procedure

1. Remove the top screws and remove the old diaphragm. Replace with the new diaphragm and torque screws to 25 +/- 5 in/lbs.
2. Place Serial Analog Module switch SW4, switch 4 in the closed (opposite the open) position. This sets the input and output voltages to 1-10 Vdc to duplicate the input voltage of the replaced Analog module.
3. Install the new Serial Analog Module and lock the quarter turn screws on the top and bottom of the module.
4. Run a ghost program to test the unit. If fluctuations in the air pressure are observed, increase the pilot line length as noted below:
if using 5/32" pilot line, increase to 35' long
if using 1/4" pilot line, increase to 14' long

Any additional fluctuations in air pressures may be caused by air leaks between the air control mother board and the pilot operated regulator. Inspect and eliminate any leaks found.

Manufacturing

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Technical/Service Assistance

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Technical Support Representative will direct you to the appropriate telephone number for ordering Spare Parts.

