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"The Alternate Source"

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INSTALLATION INSTRUCTIONS

RPI PART #AMP209 - PM PACK (DOUBLE DOOR)

• PM PACK INCLUDES:

- S38: (1) RPI PART #AMK221 - SOLENOID VALVE REPAIR KIT
- CK7 & FC3: (1) RPI PART #AMK225 - CHECK VALVE & FLOW CONTROL KIT

• ALSO AVAILABLE:

- RPI PART #AMK210 - SEAT KIT (DOUBLE DOOR)

WARNING: Turn off electrical power, bleed pressure from the manifold assembly and safely vent fluid prior to servicing the valve manifold assembly! When maintenance is complete, verify that the valve manifold assembly is operating properly before returning to service. Failure to do so could result in property damage, serious injury, or death!

CAUTION: Take care to not damage sealing surfaces, leakage may result.

RPI PART #AMK221

SOLENOID VALVE REPAIR KIT *(Shown in Dark Blue in Figure 1)*

REBUILD INSTRUCTIONS FOR S38 VALVE

- Disassemble the solenoid coil.
- Remove the solenoid bonnet, plunger assembly and bonnet o-ring from the manifold. *Note: If replacing the valve seat, use a 7/16" deep socket wrench for seat removal. Clean manifold cavity and lightly coat the threads of the valve seat with Pipe Sealant 567 (RPI Part #RPA459) or equivalent thread sealer. Install and torque to 6 ft/lbs (75 +/- 10 in/lbs).*
- Apply High Temp Lubricant (RPI Part #RPL090) or equivalent to the bonnet o-ring.

- Clean the manifold and all manifold cavities.
- Install the bonnet o-ring, plunger assembly and the solenoid bonnet. Torque to 15 ft/lbs (175 +/- 25 in/lbs).
- Reassemble the solenoid coil.

RPI PART #AMK225

CHECK VALVE & FLOW CONTROL KIT *(Shown in Purple in Figure 1)*

REBUILD INSTRUCTIONS FOR FC3 METERING ASSEMBLY

- Unscrew the metering body assembly (metering body, metering stem, metering seat o-ring and locknut) from the manifold. The new rebuild kit is supplied with a #10-32 machine screw as a tool to remove the metering seat. Thread into the metering seat and pull out of the manifold. *See Flow Control Service Tip in Figure 1.*
- Clean the manifold cavity and install the new metering seat observing that the threaded end goes in first.
- Lubricate the metering seat o-ring and metering stem with High Temp Lubricant (RPI Part #RPL090) or equivalent.
- Loosen the locknut on the metering stem.
- Install the metering body, metering stem, and locknut as a complete assembly. Torque to 6 ft/lbs (75 +/- 10 in/lbs).
- METERING STEM ADJUSTMENT:** Turn clockwise to decrease flow and counterclockwise to increase flow. After adjustment, tighten and secure stem locknut against metering body.

RPI PART #AMK225

CHECK VALVE & FLOW CONTROL KIT *(Shown in Purple in Figure 1)*

REBUILD INSTRUCTIONS FOR CK7 CHECK VALVE

- Unscrew the end cap and remove the disc assembly from the manifold. *Note: If replacing the valve seat, use a 7/16" deep socket wrench for seat removal. Clean manifold cavity and coat the threads of the valve seat with Pipe Sealant 567 (RPI Part #RPA459) or equivalent thread sealer. Install and torque to 6 ft/lbs (75 +/- 10 in/lbs).*
- Clean the manifold and all manifold cavities.
- Lubricate the end cap o-ring with High Temp Lubricant (RPI Part #RPL090) or equivalent. Install the end cap o-ring, disc assembly and end cap back into the manifold. Torque to 15 ft/lbs (175 +/- 25 in/lbs).

FIGURE 1 - Exploded View of Double Door Manifold

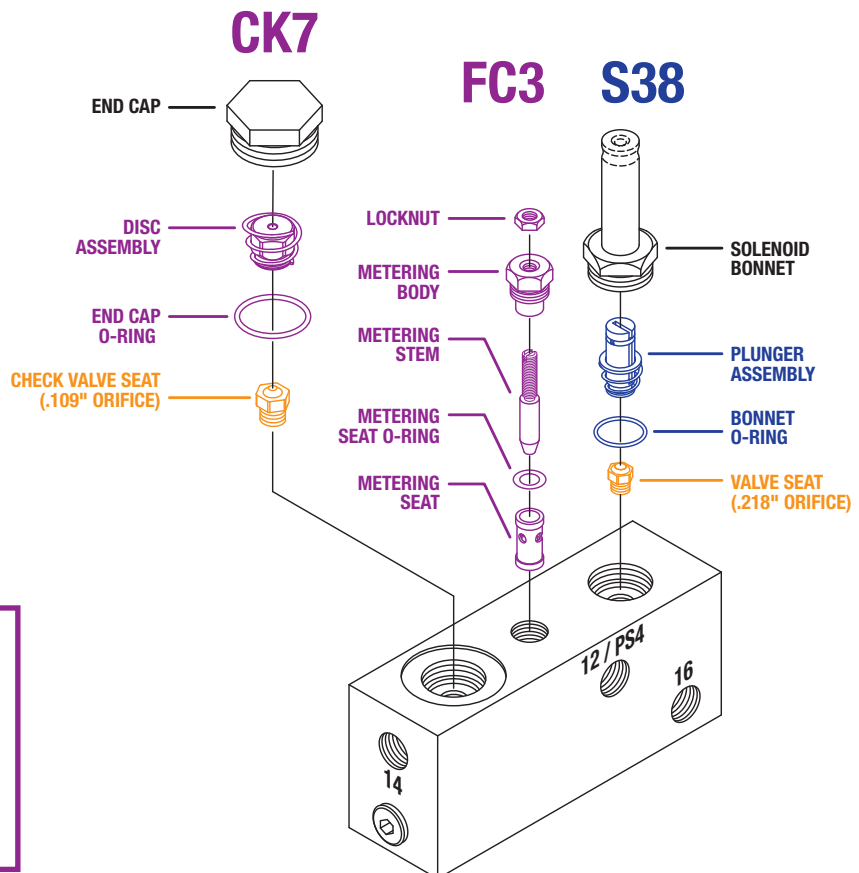
RPI PART #AMP209 PM PACK (DOUBLE DOOR)

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• ALSO AVAILABLE:

- RPI PART #AMK210 SEAT KIT (DOUBLE DOOR)



Flow Control Service Tip FC3



USE THE SUPPLIED #10-32 SCREW AS A TOOL TO REMOVE METERING SEAT FROM MANIFOLD. THREAD INTO THE METERING SEAT AND PULL OUT OF THE MANIFOLD.

METERING SEAT