

## Trailertek – T05 Air Solenoid Valve Replacement Instructions

### **Introduction:**

There are two Air Solenoid Valves incorporated into the T05 machine. One to control air flow to the Emergency brake system and one to control air flow to Service side of the brake system. The valves are controlled through either the panel or handheld remote and are powered by 12 volts.

When energized, the valves open to channel air to the respective air regulator. The regulated air then proceeds to the trailer's air brake system. The unit's control logic ensures that the Emergency side must be activated prior to activating the Service side. When de-energized, the valves open to dump the air from the respective systems.

Two known failures of the Air Solenoid Valve are 1) Air Leaking and 2) Electrical Failure.

Air leaks are audible when main air is connected to the machine.

Electrical failures can be identified by both absence of air reaching the air regulator (No reading on gauge) and absence of the audible clicking of the valve opening.

### **Valve Replacement:**

Follow steps 1-5 to remove existing valve.

Proceed with instructions in reverse to re-install a replacement valve.

### **Step 1 - Preparation**

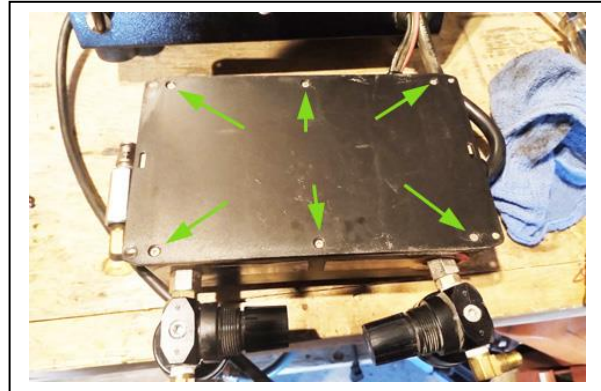
Disconnect electrical power

Disconnect 3 air lines to allow easy access (Main supply air, Emergency Air and Service Air).



## Step 2 – Remove Panel & Access Cover

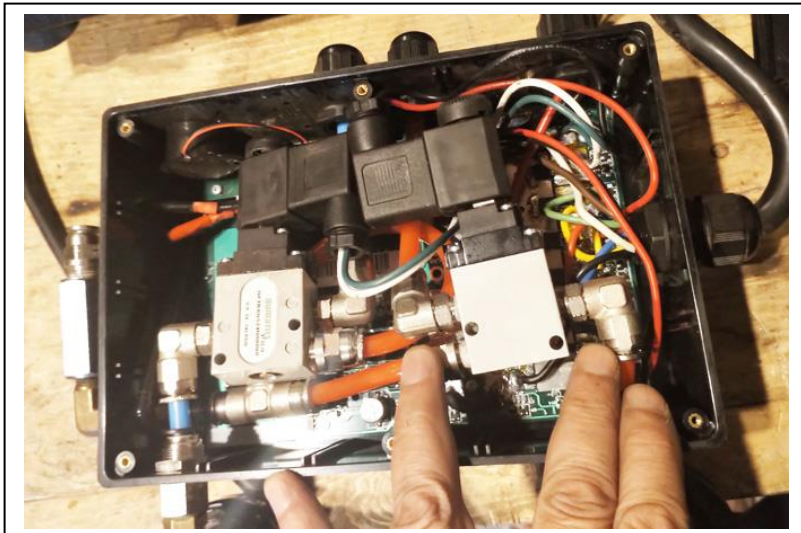
Remove 4 panel mounting screws and 6 access cover screws.



## Step 3 – Remove Air Solenoid Valve

Determine appropriate valve to be replaced by tracing air lines.

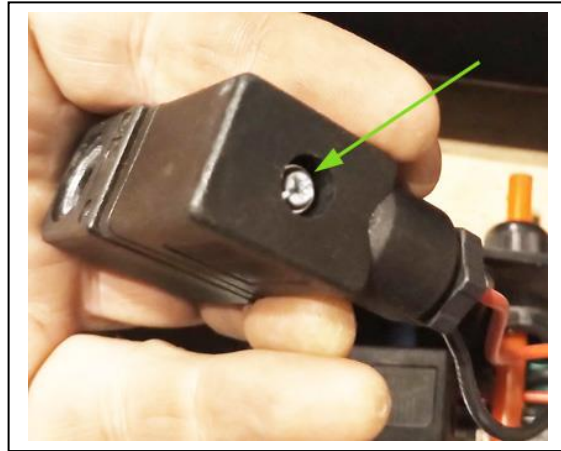
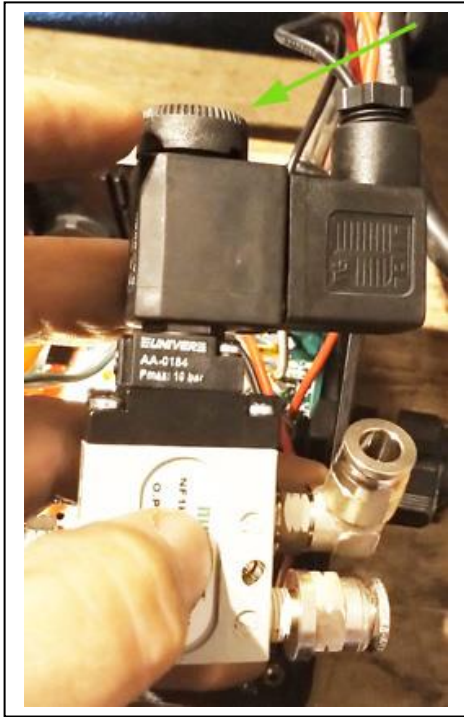
Remove 3 air lines from valve by slipping the collars towards valve and pulling hoses.



#### Step 4 – Disassemble Valve

Remove solenoid from valve by unscrewing locking cap.

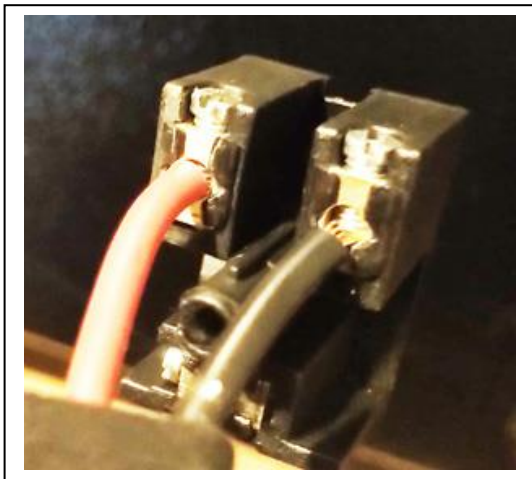
Disassemble wiring connector by removing screw and prying open.



#### Step 5 – Remove Wires

Remove both wires from connector by loosening the retaining screws.

Note the locations of the red and black wires for re-assembly.



#### Step 6 – Assembly

Connect, reassemble and mount the replacement valve by reversing Steps 1-5