

PRECISION PERFORMANCE PRODUCTS

20122 State Road, Cerritos, CA 90703
Phone: 562-402-1108 (Fax 562-402-4383)
www.precisionperformance.com

INSTRUCTIONS CO2 SUPPLY & CONTROLS

PRECISION PERFORMANCE PRODUCTS CO2 SUPPLY ASSEMBLY IS MADE TO OPERATE YOUR **PRECISION PERFORMANCE PRODUCTS** SHIFTER OR OTHER DEVICES WHICH REQUIRE CO2 FOR POWER. AS YOU CAN SEE BY (FIG. 1) USING THIS PRODUCT WITH **PRECISION** SHIFTERS IT IS SIMPLE TO CONNECT. **POWER SHIFTERS** ARE COMPLETE ASSEMBLIES THAT ARE READY TO USE REQUIRING ONLY THE CONNECTION OF THE 1/4" HOSE. THIS IS ACCOMPLISHED BY SIMPLY INSERTING THE HOSE INTO THE FITTING SUPPLIED WITH SHIFTER (THE HOSE CAN BE REMOVED EASILY BY PUSHING IN THE ACTUATING RING ON THE FITTING AND PULLING OUT THE HOSE). THE TANK VALVE ASSEMBLY SHOULD BE MOUNTED SECURELY IN A VERTICAL POSITION TO DISCHARGE GAS ONLY FROM THE TANK. WHEN INSTALLING THE REGULATOR TO THE TANK, MAKE SURE THAT THE PLASTIC WASHER IS IN THE REGULATOR NUT BEFORE ATTACHING TO THE TANK VALVE. THE NEXT STEP IS TO MOUNT THE SOLENOID VALVE SECURELY, CONNECT A LENGTH OF 1/4" HOSE BETWEEN PORT (1) ON THE SOLENOID VALVE AND THE REGULATOR. THEN CONNECT A HOSE BETWEEN PORT (2) ON THE SOLENOID VALVE AND THE SHIFTER. NOTE: PORT (3) MUST BE KEPT OPEN. THE REGULATOR WILL CONTROL THE GAS PRESSURE TO 120 PSI FOR NORMAL CONDITIONS (OTHER PRESSURE LEVELS ARE AVAILABLE FOR SPECIAL APPLICATIONS). THE TANK PRESSURE CAN BE MONITORED USING THE GAUGE WHICH WILL RESISTER APPROXIMATELY 800 PSI AT NORMAL TEMPERATURE LEVELS. WHEN YOU NOTE THE PRESSURE BELOW THE NORMAL LEVEL THIS IS AN INDICATION THAT THE BOTTLE WILL SHORTLY REQUIRE A REFILL. TYPICAL SOURCES THAT CAN REFILL ARE WELDING AND FIRE EXTINGUISHER SUPPLY COMPANIES. A EMPTY BOTTLE WILL REQUIRE 10 OUNCES MAXIMUM OF LIQUID CARBON DIOXIDE. THE REGULATED GAS IS CONTROLLED BY THE 12 VOLT DC SOLENOID VALVE. THERE ARE VARIOUS METHODS TO ACTUATE THE SOLENOID VALVE ELECTRICALLY. SOME POPULAR EXAMPLES ARE SHOWN IN (FIG. 1).

