INSTALLATION OF CARLIN VENT KIT

This kit (AOPS8432) is to be used for connection of the CARLIN EZ-1HP oil burner to the field vent kit AOPS8414 and the furnace.

NOTICE: Installation <u>must</u> be performed by a qualified service technician.

NOTICE: Installer is required to supply the 4" inlet air pipe (dryer vent, metal vent, etc.) Max 15'.

STEP#1: Unpack contents and confirm all items have been packed. Remove burner from mounting plate.

STEP#2: Determine which side of furnace the combustion air supply will enter. Remove the knock out at lower left or lower right of the vestibule, depending on the selected side.

STEP#3: Affix the 4x3 reducer to the side casing using the pre-punched holes in the reducer and side casing.

STEP#4: Connect the 4" side of the reducer to the 4" inlet air vent pipe (supplied by the installer.) Once connected to the reducer, the other end can be connected to the field vent termination.

STEP#5: For sidewall venting, the burner primary must have post purge activated. The Carlin primary control Model 70200 has this option and will need to be reprogrammed for this new post purge timing. It is recommended that the post purge be set at 30 seconds for side wall venting. This can be accomplished by following the primary control instructions included with the burner. If a longer post purge time is required, follow the control instructions to set the timing.

STEP#6: Insert the Carlin Intake Air Adapter on the pump side of the EZ-1 burner. The pump will need to be removed to apply the boot. See instruction sheet from Carlin for installing the boot. Follow Carlin's instructions for proper mounting procedure.

STEP#7: Return the burner to the mounting plate and tighten. Re-attach wiring and oil lines.

STEP#8: Attach the 4 x 3 reducer to the Carlin inlet air adapter. Clamp 3" flexible hose to this adapter. Use RTV sealant and a sheet metal screw to affix the reducer to the adapter.

STEP#9: Install Field Vent Kit AOPS8414 (sold separately.) If it is already installed, move to Step#10.

STEP#10: Check combustions after installing vent kit.

Recommended CO2:	CARLIN	
	MAXIMUM VENT 15'	MINIMUM VENT 5'
LOW FIRE	11 ½ % CO_2	11 ½ % CO_2
MID FIRE	11 ½ % CO_2	11 ½ % CO_2
HIGH FIRE	11 ½ % CO_2	11 ½ % CO_2

SMOKE- (0-TRACE)