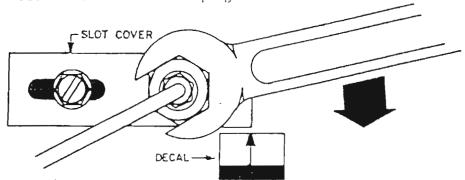
INSTALLATION MANUAL

FOR MODEL M OIL BURNER

CAUTION

It is important, when servicing Wayne Oil Burners, that the gun (drawer) assembly locknut be securely wrench tightened. Wrench tightening will assure proper nozzle centering. The two upper Electrode Support legs must contact the inner surface of the Air Tube firmly. This can be confirmed visually, by viewing the Electrode Support through transformer opening while tightening locknut. The spring located on the lower Electrode Support leg is designed to force the upper locating legs against the Air Tube. Wrench tightening will insure proper positioning.

Improper nozzle centering in relation to Air Cone can result in poor combustion due to flame impingement.



CAUTION

When burner is equipped with a relight type control it shall not be used on appliances having brick, ceramic, or castable refactory liner for combustion chamber. Hazard may occur on flame failure because the flame detector may see the hot refactory liner, and not respond to flame outage. This will permit prolonged delivery of oil before ignition is returned for an attempt to relight the burner.

BURNER ADJUSTMENT

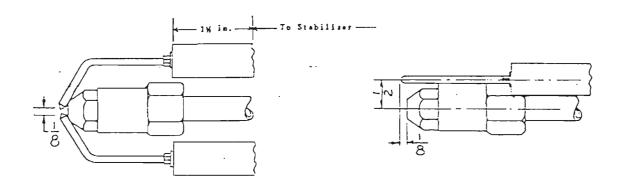
Removing Gun Assembly—Disconnect the oil line at the fan housing and remove lock nut on copper tube fitting. = :
Remove transformer hold-down screw in upper corner and swing transformer on hinges. Gun assembly can now be removed through this opening.

BURNER NOZZLE

Nozzle Input Rating/Configuration should conform to installation requirements. Screw nozzle into brass adapter.

Nozzle Adapter: This burner is equipped with a dribble-proof nozzle adapter which will accomplish intended results only when installed with the stamped word "TOP" in the correct position. If dribble continues, check for air or excessive nozzle temperatures.

Spacing of Electrodes: The electrodes should be spaced 1/8 inch apart. They should extend 1/8 inch beyond the end and 1/2 inch above the center of the nozzle tip as shown in the drawing below.



Gun Assembly Adjustment. The gun assembly can be adjusted in the slot in side of fan housing by loosening screw holding slot cover in position. Nozzle tip should ordinarily be located 5/8 inch behind the front face of the cone.

Air Adjustment. The air intake is located on the left side of the blower housing and consists of two interlocking bands. To adjust, loosen screw in outer band and position band by rotating to the desired opening. Retighten screw after adjustment to assure permanent adjustment. Sufficient air should be introduced into the fire until a Number 1 or trace of smoke is obtained. (Check with smoke tester). The screws should then be locked in position.

FUEL UNIT: See separate instruction sheet packed with burner.

OIL BURNER CERTIFICATE

AS REQUIRED BY COMMERCIAL STANDARD CS75-56

The Oil Burner Model No. 7-11	Serial No, installed at
(Make)	(Address of Installation) installed in accordance with the instructions in the manufacturer's installation manual
The boiler (), furnace (), is a(Make)	No, and the heating load consists of:
1 Blu, or square feet steam (), hot water () radiation; and	
2 Blu, or square feet of equivalent steam (), hot water () ra	diation in domestic hot water load; or
3 "But or source inches of cross-sectional area of warm air supply to	ipes measured at the furnace take off; or
4 Blu, or square feet of equivalent steam (), hot water () ra	•
readings taken:	cordance with the test procedure of Commercial Standard CS75-56 and the following
Over Fire CO At Breeching	Stack Temperatures at breeching °F
	•
Over Fireinches H ₂ O.	Firing Rate Gals/hr.
At Breeching	
All controls and limiting devices have been checked for proper operation	
Fuels used, Grade No of Commercial Standard CS1248. Field service	quipment smoke scale reading
The above test results are certified to be true:	·
For service call:	(Name of Company making installation)
	Per
(Name)	(Signature)
(Address)	(Address)
(Telephone)	(Telephone)
Date	
DIRECTIONS FOR THE OI	
OIL BU	RNER
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