INSTALLATION INSTRUCTIONS
HIGH OUTPUT RAD FAN ASSEMBLY
PART # 16817, 16820 & 16827

Please read these instructions completely before beginning installation

KIT CONTENTS

QTY.	DESCRIPTION	QTY.	DESCRIPTION
1	Fan Shroud Assembly	16	1/4-20 x 3/4" Hex Bolts
4	Angle Brackets	16	1/4-20 Lock Nuts
1	Rubber Fan Shroud Seal	40	1/4" Flat Washers

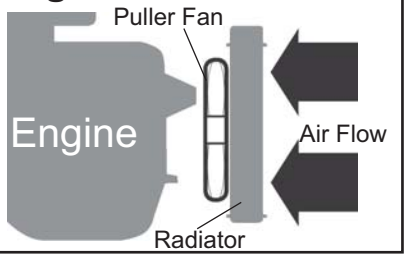
IMPORTANT

This fan assembly is designed for PULLER APPLICATIONS ONLY Engine side of radiator. (See Diagram #1)

TOOLS NEEDED

- 7/16" Open End Wrench
- 7/16" Socket and Ratchet
- Wire Stripper
- Wire Crimping Tool

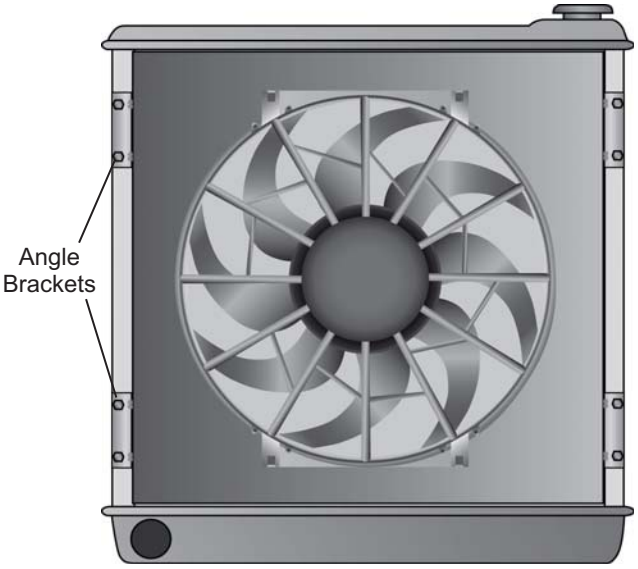
Diagram #1



MOUNTING OPTIONS

Diagram #2

Down Flow Radiator



Cross Flow Radiator

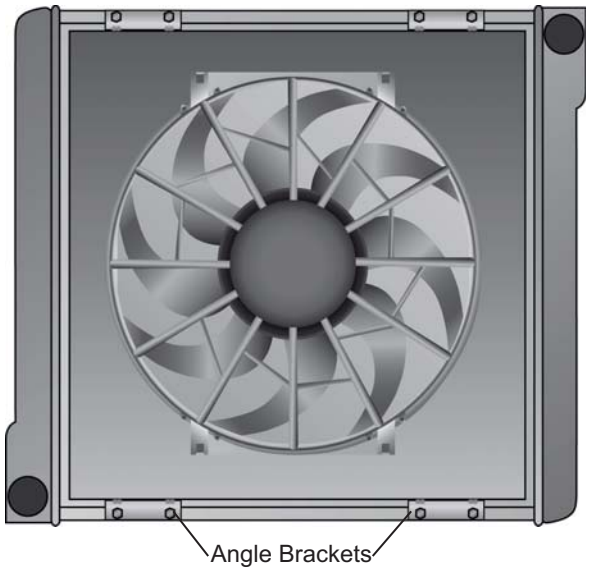
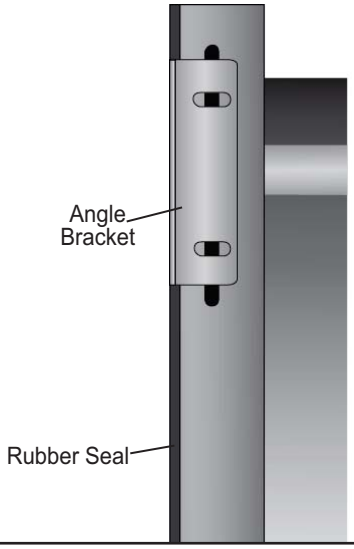
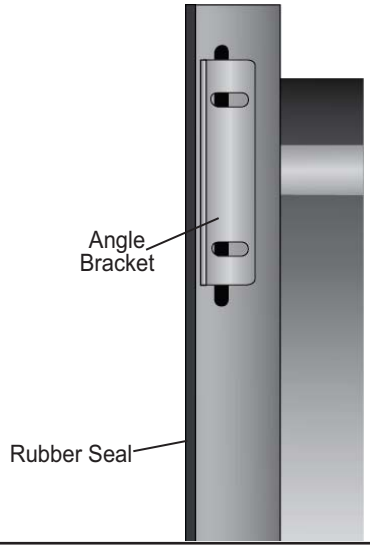


Diagram #3

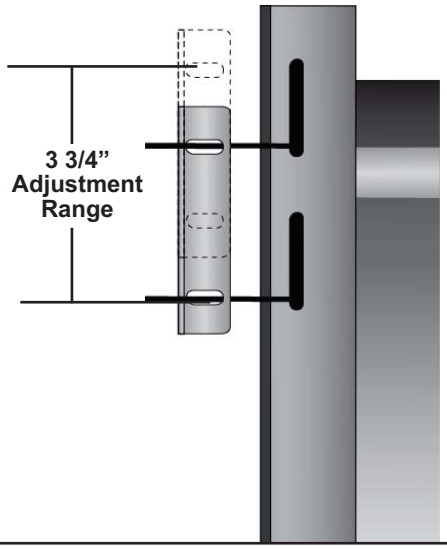
Option 1
Flush Mount



Option 2
Recessed Mount



Adjustment Range



INSTALLATION

1. Using a table or workbench, lay the Electric Fan Assembly on a flat surface, Electric Fan facing down.
2. Take the supplied Rubber Fan Shroud Seal and install it onto the bottom edge of the Fan Shroud Assembly. (See Diagram #4)
3. Cut off any excess Rubber.
4. Identify the four Angel Brackets, 1/4-20 x 3/4" Hex Bolts, 1/4" Flat Washers & 1/4-20 Lock Nuts.
5. Attach the Angle Brackets to the Shroud using two bolts per bracket. (See Diagram #5)

   Note: In some applications where the radiator flange is not right up against the fan shroud, longer bolts can be used to space the Angle Brackets. (See Diagram #6) Hardware not included!
6. Position the Electric Fan Assembly against the radiator in the desired location.
7. Using the remaining 1/4-20 x 3/4" Hex Bolts, 1/4" Flat Washers & 1/4-20 Lock Nuts, attach the Electric Fan Shroud Assembly to the radiator. (See Diagram #5)

   Note: In some cases the radiator flange may have to be drilled for proper alignment.

Diagram #4

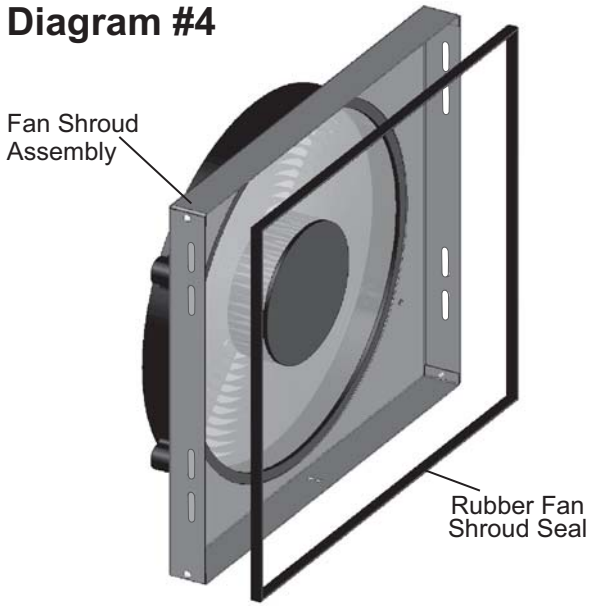


Diagram #5

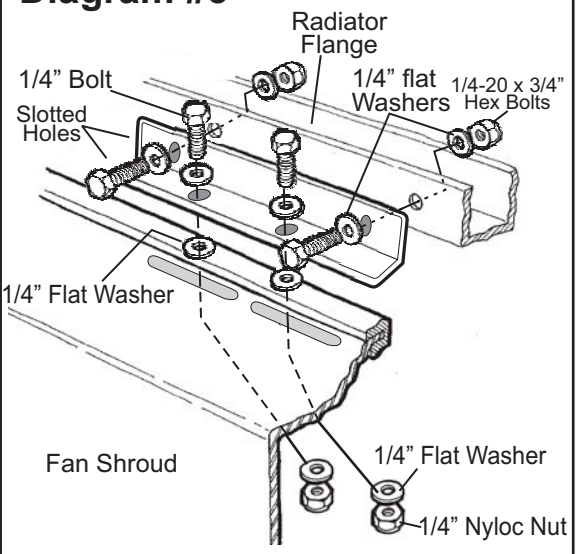
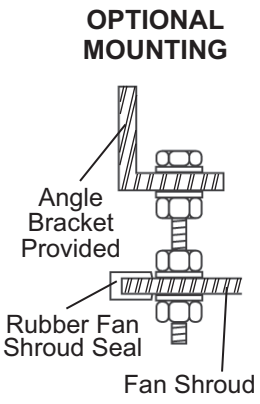


Diagram #6



WIRING OPTIONS

Switched - Utilizing an automotive rated thermostat or manual switch

There are a few options on how to activate (turn on) your new Electric Fan Assembly.

1. Manual Switch - Install a switch in the passenger compartment and turn on Electric Fan as desired.
2. Electric Fan Thermostat Switch
   A. Adjustable Thermostat - Allows an adjustment range for you to determine optimal turn on temperature.
   B. Pre Determined Temperature - Thermostat has a pre determined temp. from the factory that determines turn on temp.

Important: When purchasing a thermostat always consider the maximum amp draw. Some thermostats are not designed to properly handle 25 amps.

Note: When installing the Electric Fan with a Thermostat always follow manufacturer's instructions for specific details. In some cases you will not need the supplied relay harness.

WIRING INSTALLATION USING RELAY(S) (NOT SUPPLIED)

RED Wire - Attach to the Positive side of Battery (+)

BLACK Wire - Attach to a good Chassis ground (-)

ORANGE Wire - Attach to the BLUE Positive Electric Fan Lead (Fan +)

YELLOW Wire - Attach to (+) 12V Switched Power (Thermostat or Manual Switch)

GREEN Wire* - (OPTIONAL) Attach to the Positive feed from the A/C Clutch

*This wire will allow you to turn on the Electric Fan every time the vehicles air conditioning is turned on. If you do not wish to use this option, please disregard the Green wire.

ELECTRIC FAN

BLUE Wire - (+) Positive Fan lead Attach to the ORANGE wire coming from the relay harness

BLACK Wire - (-) Negative Fan Lead Attach to a good Chassis ground **(**See Diagram #7**)**

Diagram #7 Wiring Diagram Using Relays (Not Supplied)

NOTE: To confirm color of positive fan leads see Red/Silver manufacturers label on the electric fan.