



MM12K or MM12KC - 16" 225 watt Fan Assembly Instructions

MOUNTING DIRECTIONS:

Using hardware provided in universal bracket kit, install using Bolt-on Method (See Fig 1) or Clamp-on Method (See Fig 2).

Caution: Always use star nuts to stabilize the all-thread rods. Be sure not to over tighten the Mach One to the heat exchanger as it may cause damage.

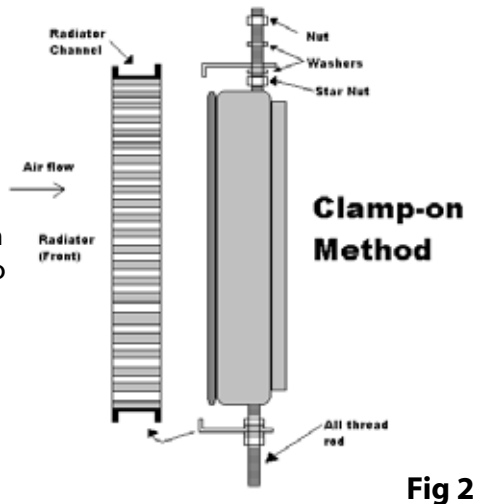
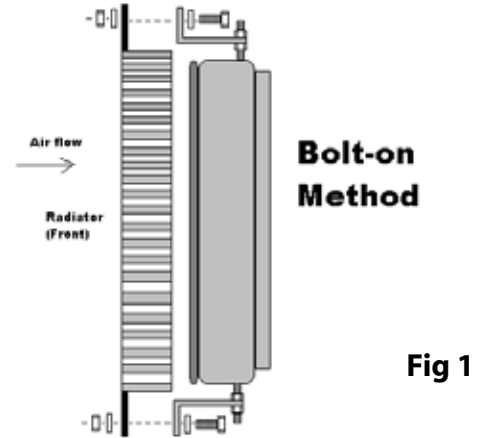
Wiring Instructions: Black (+) Blue (-)

This fan is wired as a "pusher" fan (Check to see that the word "pusher" is showing on the fan hub). Pusher refers to air entering from rear of and exiting shaft end of fan motor. We recommend the use of a thermostatic fan relay harness with a 30 Amp relay and fuse for each MM12K fan.

Choose one of these recommended wire harnesses: **MARADYNE® MFA100** (Adjustable temperature switch), **MARADYNE® MFA102** (185° temperature switch for carbureted engines) or **MARADYNE® MFA103** (195° temperature switch for fuel injected engines).

REVERSING DIRECTIONS:

The fan contained in this assembly is assembled in a pusher configuration from the factory. While these fans can be reversed to be puller fans, we do not recommend using this assembly as puller fan on the front side of the radiator due to the large amount of ram air that is blocked by the shroud. Fans mounted in front of the radiator should only be used as a last resort when there are no other options for mounting. See Fig 3.



BLADE REVERSING INSTRUCTIONS

MM12K FANS SHIP IN PUSHER CONFIGURATION

STEP 1:
DISCONNECT POWER TO THE FAN. PLACE THE TIP OF A FLAT BLADE SCREWDRIVER BETWEEN THE OPEN END OF CLIP, LIFT SAFETY CATCH OVER SHAFT END AND CAREFULLY PUSH CLIP OFF THE MOTOR SHAFT.

STEP 2:
WITH ANOTHER PERSON, CAREFULLY PULL THE BLADE OFF THE MOTOR SHAFT. WE RECOMMEND ONE PERSON HOLD THE SHROUD AND ONE PERSON PULL THE BLADE. CAUTION - EDGES OF BLADE ARE SHARP, DO NOT TRY TO DRIVE THE MOTOR OUT BY IMPACT. THIS WILL DESTROY THE MOTOR AND VOID THE WARRANTY. FLIP THE BLADE, THEN PLACE BACK ON THE MOTOR SHAFT BY LINING UP THE GROOVE ON THE BLADE HUB WITH THE DRIVE PIN ON THE MOTOR SHAFT.

STEP 3:
REPLACE CLIP BY PUSHING CLIP INTO GROOVE ON MOTOR SHAFT. ENSURE SAFETY CATCH SNAPS OVER THE MOTOR SHAFT. PUSHER CONFIGURATION SHOULD LOOK AS SHOWN.

SPECIFICATIONS	
MOTOR	225 watt HEAVY DUTY
AIR FLOW @ 0" STATIC	2,160 CFM
SIZE	16" w x 17" h
DEPTH	3.9" with Ruber Seal
AMP DRAW	17.7 @ 13.5V

WIRING:
BLACK (+) POS
BLUE (-) NEG

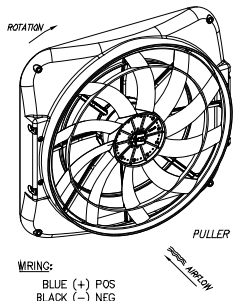
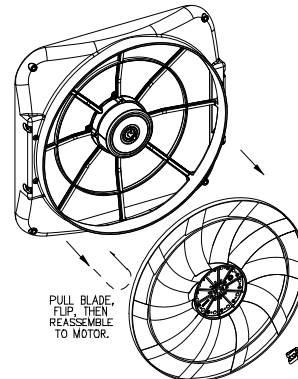
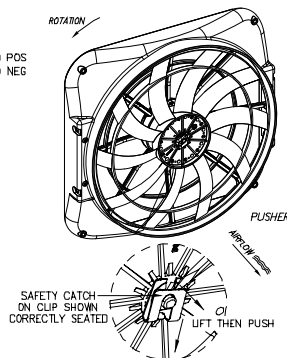


Fig 3