



July 27, 2005

FIELD ADJUSTMENT BULLETIN

TO: Operators of MacBone air conditioning units model MH16-1
REFERENCE: Unit stalling in very hot weather
SUBJECT: Expansion valve adjustment
SERIAL NO.'S: 1 through 46
MORE INFO: Call Eddie or Jeremy @ 888-MACBONE

The MH16-1 has just experienced its first real hot weather operation and one performance issue has come up. The unit's expansion valve, pictured below, is factory set for a 32 to 35 PSI evaporator pressure. In very hot weather, this setting is a bit too high and can result in requiring up to 3000 PSI inlet oil pressure to keep the unit running. Our design maximum is 2800 PSI with a recommended system relief valve setting of 3000 PSI, so we need to reduce this high drive oil pressure requirement by reducing the unit's compressor load.

Remove the unit top and you will see the system expansion valve located adjacent to the evaporator coil. Below, note the 3 dimes in the gap between the valve body and the adjustment hex. This gap on serial numbers 1 through 46, is set at .070" to .090", but should be reset to about .150", which is the thickness of 3 dimes. Serial #'s 47 and up will be set at about .150".

To proceed, unscrew the plastic protective cap and turn the hex CCW with a 3/4" wrench to increase the gap to the thickness of 3 dimes, which is about .150". Replace the plastic cap. Thanks for your help!



COMPLIANCE CONFIRMATION

DATE: _____ MACHINE OWNED OR OPERATED BY: _____

MODEL: MH16-1 SERIAL #: _____ PRODUCTION #: _____

TECHNICIAN MAKING THIS ADJUSTMENT: _____ PHONE _____

Please fax or mail this confirmation to the fax # or address noted below:

8790 Park Central Dr., Richmond, VA 23227 Ph: 804-264-3603, Fx: 804-264-3070