



# TS 12, A/C PERFORMANCE TEST

Meets NATEF Task: (A-5) Performance test A/C system; identify A/C malfunctions. (P-1)

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Make/Model: \_\_\_\_\_ Year: \_\_\_\_\_ Instructor's OK: \_\_\_\_\_

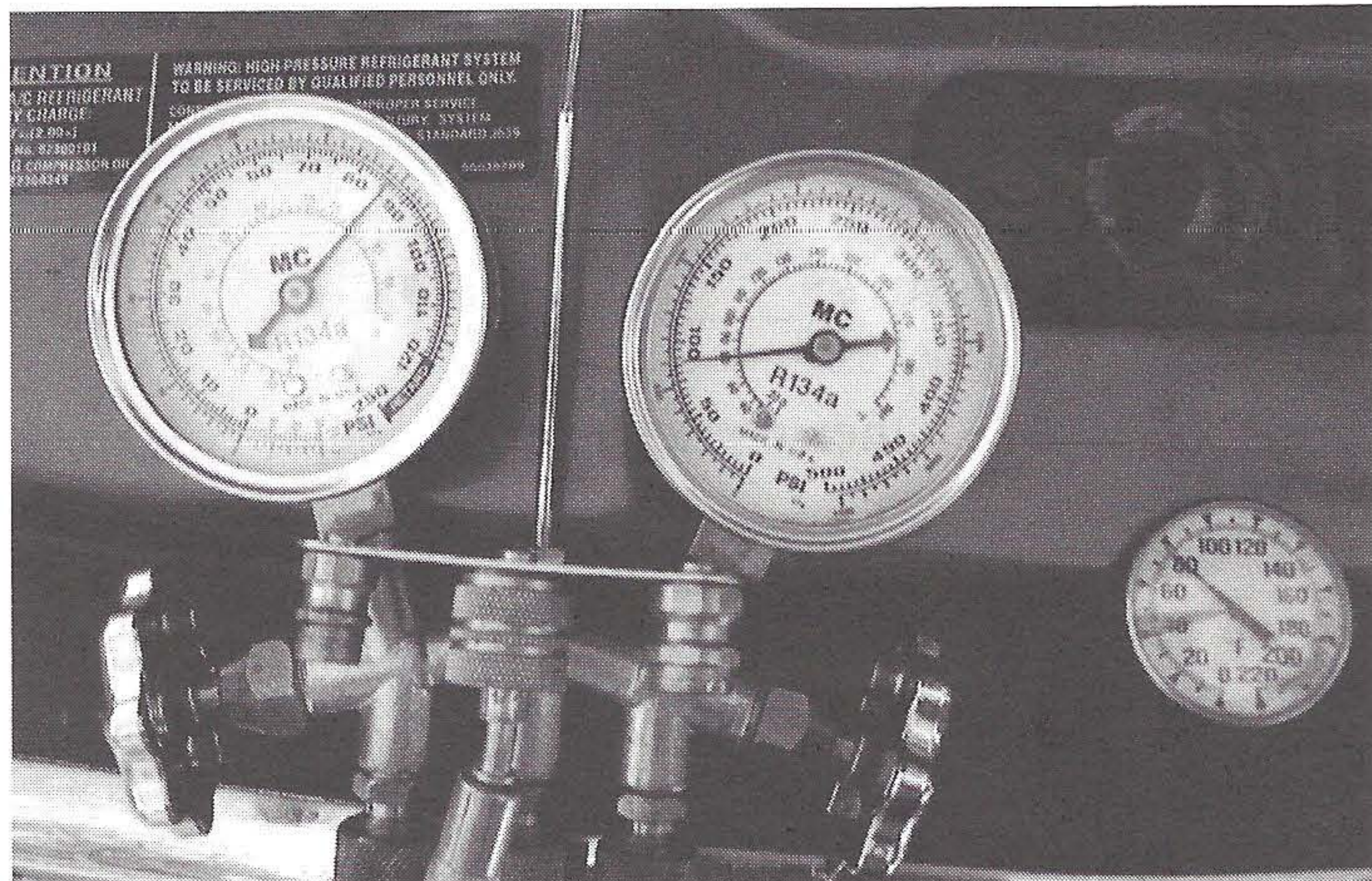
\_\_\_\_\_ 1. Install gauges, and read system static pressures.

High Side \_\_\_\_\_

Low Side \_\_\_\_\_

OK \_\_\_\_\_

NOT OK \_\_\_\_\_



\_\_\_\_\_ 2. Start engine, and turn A/C on — full cold and high blower.

\_\_\_\_\_ 3. After pressures normalize, read dynamic system pressures. Record these pressures.

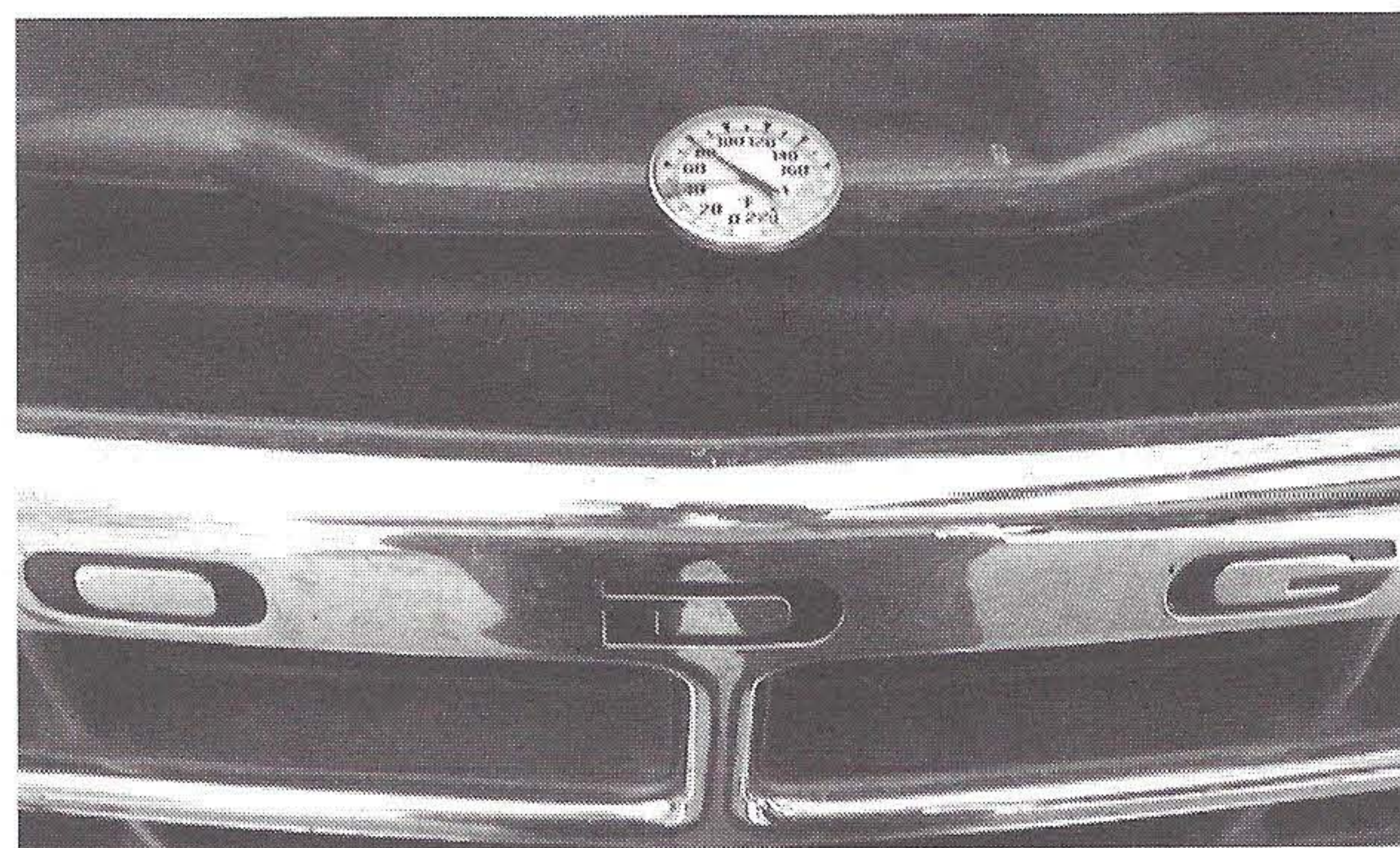
Low Side: \_\_\_\_\_, High Side: \_\_\_\_\_

\_\_\_\_\_ 4. Install a thermometer, and measure the air temperature entering the condenser.

Air temperature: \_\_\_\_\_

\_\_\_\_\_ 5. Determine the relative humidity (RH).

Relative Humidity: \_\_\_\_\_



\_\_\_\_\_ 6. Locate service information to determine proper high side pressure for this vehicle. Compare the specification with your readings.

Specified Pressure, Low Side: \_\_\_\_\_, High Side: \_\_\_\_\_

OK \_\_\_\_\_ NOT OK \_\_\_\_\_

\_\_\_\_\_ 7. Determine what type of low pressure control is used on this system.

CCTXV \_\_\_\_\_, CCOT \_\_\_\_\_, VDC \_\_\_\_\_, STV \_\_\_\_\_