

CLIMATE CONTROL



IMPORT **DIRECT** 
OE REPLACEMENT PARTS



OE FIT FORM AND FUNCTION



MURRAY 100% NEW COMPRESSORS

Murray is the largest aftermarket A/C supplier in the US and the largest compressor remanufacturer in the world. Murray supplies new replacement compressors for Ford, Chrysler, GM and Import applications.

MURRAY RE-ENGINEERED COMPRESSORS

Murray replaces many components that other suppliers don't. New, oversized pistons, piston rings, clutch bearings, hoses, gaskets and seals are just a few examples.



■ **TESTING**

Every unit tested for sound level, vacuum, pressure retention and leakage

■ **QUALITY**

New compressors are factory sealed and then Nitrogen charged

■ **COVERAGE**

Murray offers compressor coverage for over 95% of the vehicles on the road today

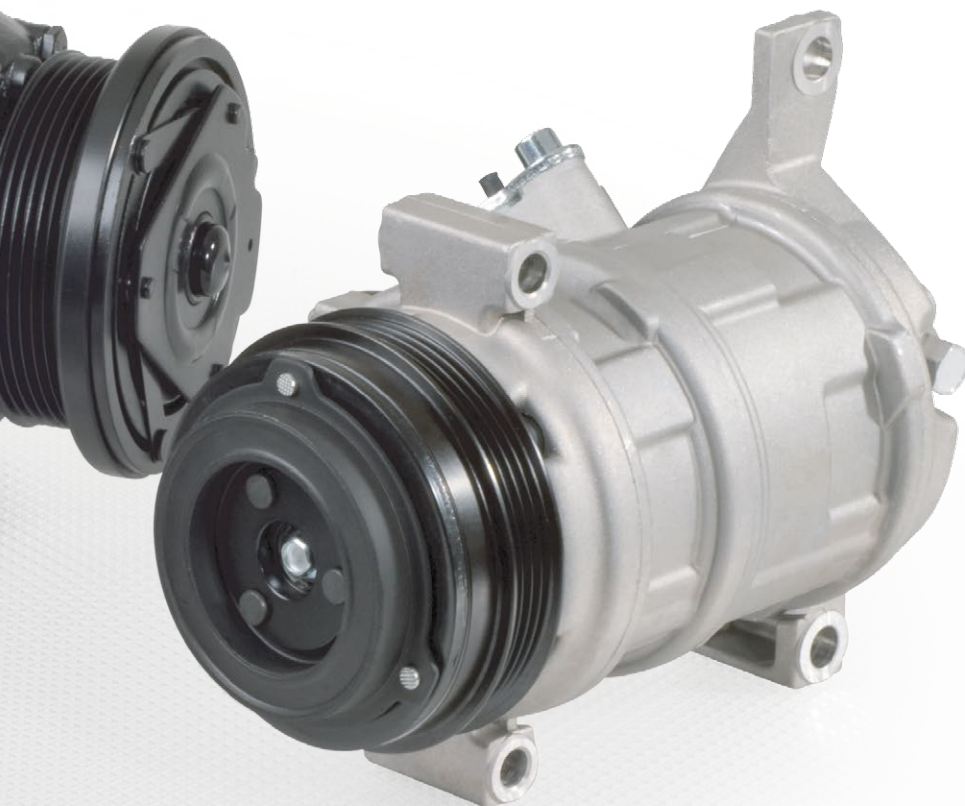
■ **HISTORY**

Over 50 years of O.E. compressor design & manufacturing

TROUBLE FREE R4 COMPRESSORS

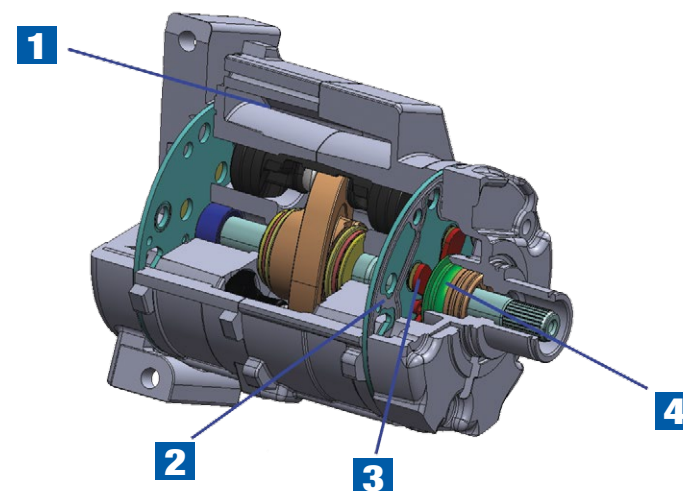
Murray manufactures 19 new R4 compressors

- Quieter than current OE units
- Fleet tested under strenuous conditions
- First class quality and coverage



TROUBLE FREE 10S COMPRESSORS

Murray 10S compressors offer design enhancements to help reduce damage due to “slugging”, a known OE issue in low-mount applications. Every component has been specifically designed to improve performance and durability.



- 1 Single chamber muffler design for quiet operation
- 2 38mm thick head gasket allows for proper sealing between the suction and discharge chambers
- 3 Reed retainers have been employed that ensure the distance of flexure and radius of bend on the reed does not exceed its design limits
- 4 Unique head inserts allow the use of longer discharge reeds and reduce head flexing

H SERIES PROBLEM SOLVER COMPRESSORS

- Problem Solver H Series compressors undergo a battery of quality control tests, including noise, function, leak and pressure tests
- Center dowel pins eliminate case distortion
- 10 Cylinder design for smoother operation
- Higher volumetric efficiency for increased performance
- Stainless steel reed valves for increased durability

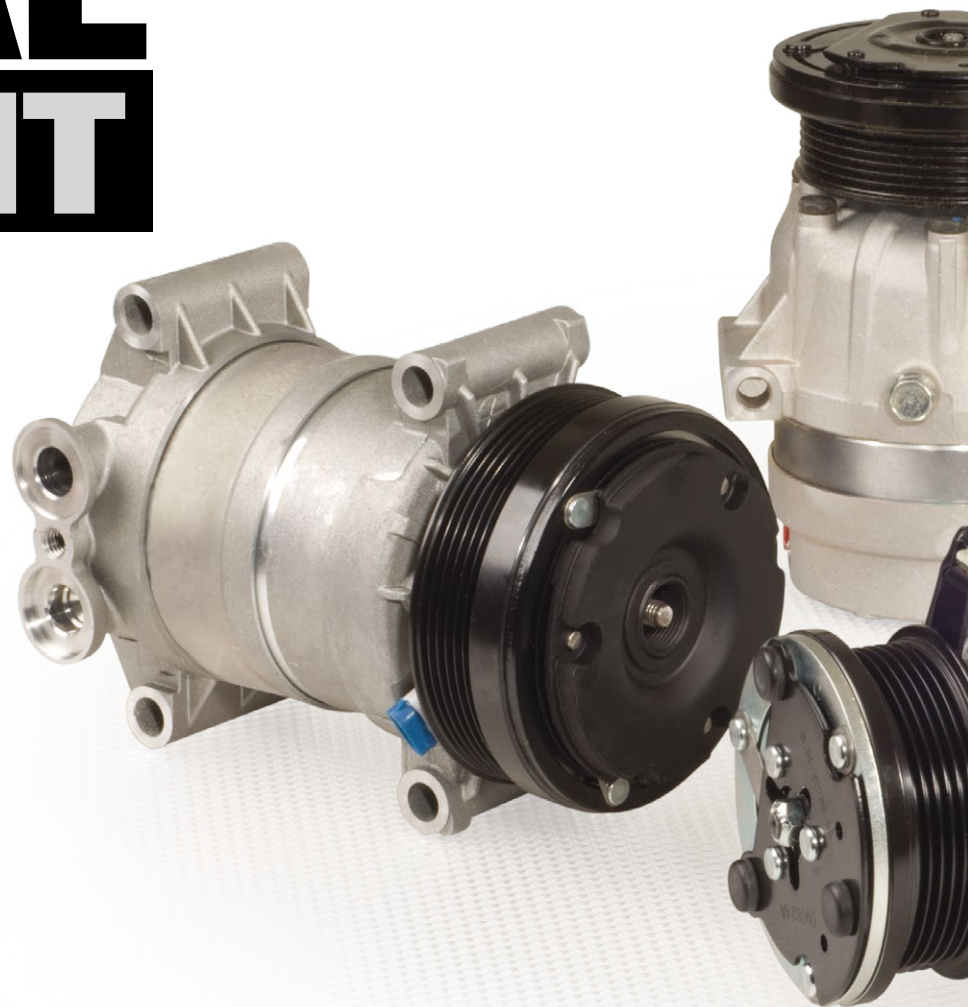


MOTORCRAFT®

ORIGINAL EQUIPMENT

MOTORCRAFT 100% NEW COMPRESSORS

Motorcraft new Original Equipment compressors are the exact same component installed in the vehicle when it rolled off the assembly line. All loaded units are pre-charged, bolt-in ready and include the compressor and pulley, coil, refrigerant oil and clutch as one part number.



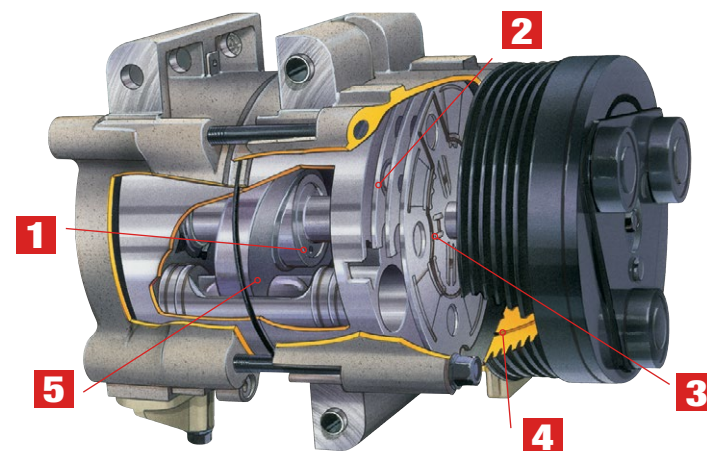
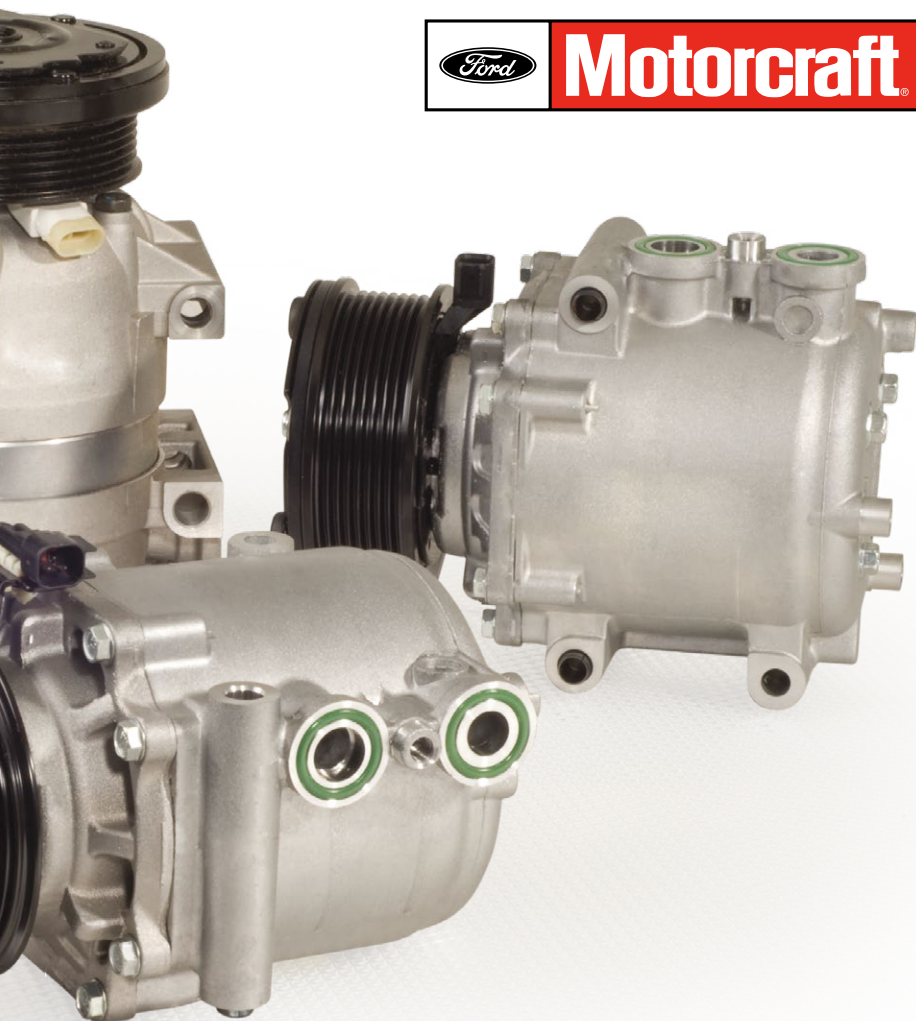
**MOTORCRAFT
COMPRESSORS**

■ **QUALITY**

Forged, low friction aluminum pistons

■ **EASY INSTALLATION**

Pre-charged with the correct amount of oil



- 1** Forged-aluminum pistons for maximum life in low-lubrication, high-temperature conditions
- 2** Tin-coated swashplates for added strength and durability
- 3** Rubber-dampened clutches minimize clutch noise during engagement
- 4** Pre-shimmed clutch assemblies make installations easier on loaded compressors
- 5** Dual center-seam seals for additional leak protection

■ TESTING

Fully pressure tested

■ LONGEVITY

Rubber-dampened clutches

■ COVERAGE

Coverage back to 1988

DRIERS, CORES AND CONDENSERS



ACCUMULATORS/RECEIVER DRIERS

Murray accumulators and receiver driers are built with the same commitment to quality, dependability and performance that goes into all Murray A/C components.

- Extensive laboratory and on-the-road testing
- Designed to OE specifications
- 100% leak tested using underwater Nitrogen pressure tests
- Packaged with all required O-ring kits

FACTORY FIT HOSE ASSEMBLIES

All hose assemblies meet tensile standards for SAEJ51 and IMACA 312 for R12 and SAE2064 for R134a.



EXPANSION DEVICES

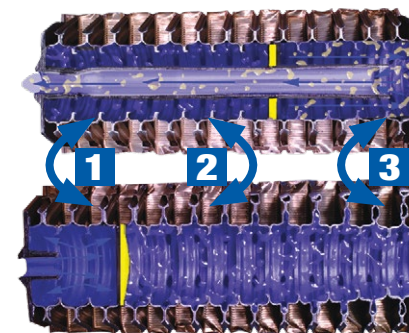
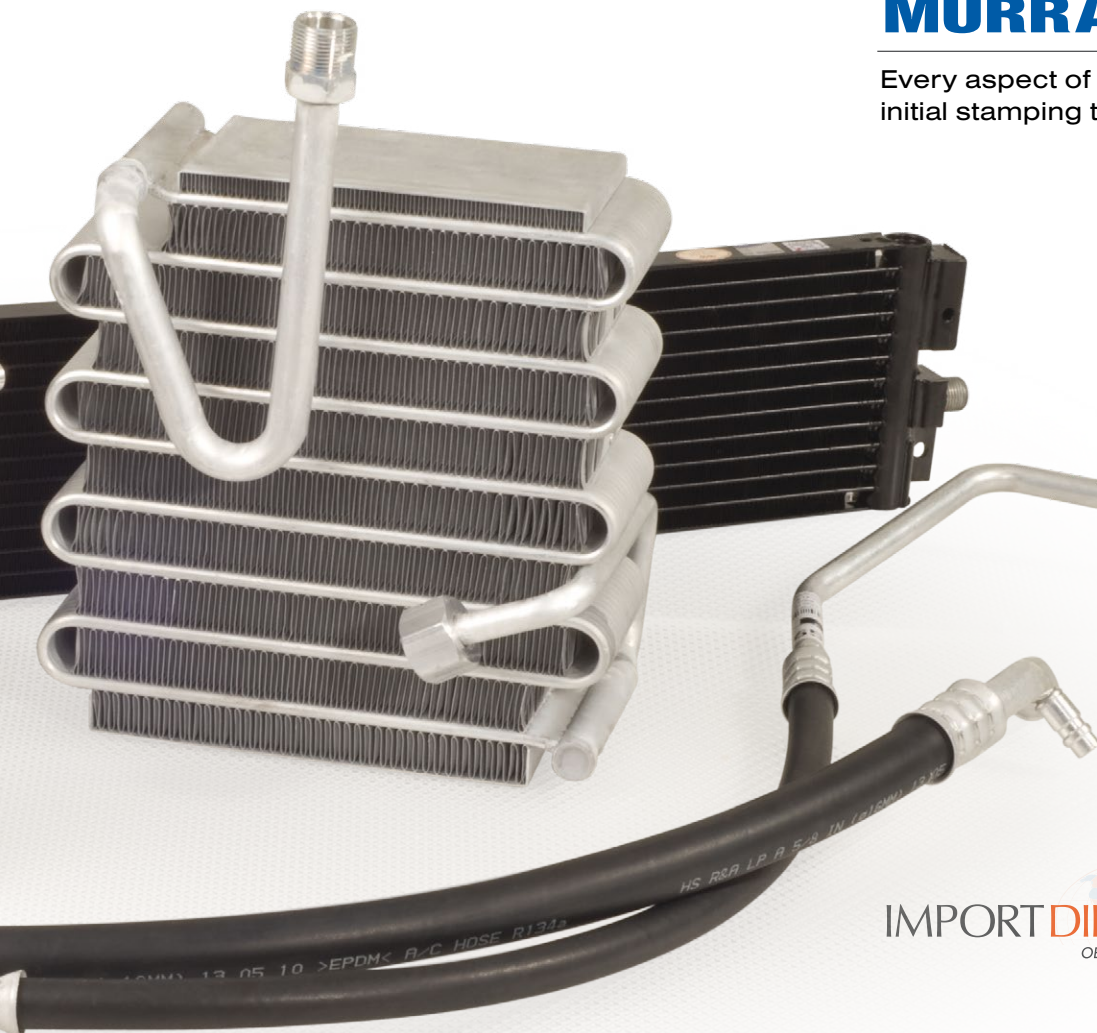
- Designed to meet or exceed the OEM design
- All aluminum designs and built application specific per OEM shape and color
- 100% function tested prior to shipping

HOSE ASSEMBLIES

- Murray hose assemblies use OE-type barrier hose to minimize refrigerant loss
- Permanent beadlock fittings made of lightweight rust-free aluminum
- All hose assemblies meet tensile standards for SAEJ51 and IMACA 312 for R12 and SAEJ2064 for R134A

MURRAY EVAPORATOR CORES

Every aspect of Murray Evaporator Core design and assembly, from the initial stamping to oven brazing is performed to OE specs.



- 1** Refrigerant leaves from top oil collects on walls and bottom chamber
- 2** Refrigerant and oil must pass from top to bottom three times
- 3** Refrigerant and oil enter evaporator bottom chamber

PERFECT-FIT CONDENSERS

All condensers meet or exceed OE specifications. Advanced CAD design capabilities result in precision fit, form and function - mounting holes and brackets line up every time for easy, drop-in installation.



HEAT
TRANSFER

EVAPORATORS

- The majority of Murray evaporators are manufactured in-house
- Design and assembly, from the initial stamping to oven brazing is performed to OE specs
- Leak tested using a Helium mass spectrometer

CONDENSERS

- Murray® A/C condensers cover over 95% of the market
- All condensers meet or exceed OE specifications
- Advanced CAD design capabilities result in precision fit, form and function



www.firstcallonline.com

