

PART NO. 12678

V8 CONVERSION INSTALLATION KIT
429-460 WITH C-6 OR 5 SPEED TRANSMISSIONS
79-86 MERCURY CAPRI / 79-93 FORD MUSTANG

NOTE:

1. REQUIRES (2) MOTOR MOUNT INSULATORS FROM 65-76 390 POWERED PICKUPS, SEALED POWER #270-2290.
2. DESIGNED TO BE USED WITH HOOKER HEADER #6224.
3. USE OF A LATE MODEL 86-93 5.0 MUSTANG "DOUBLE HUMP" TRANSMISSION CROSSMEMBER AND STOCK TRANSMISSION MOUNT ARE REQUIRED.

TIPS FOR ENGINE SWAPS

- A. MARK ALL HOSES, WIRES AND VACUUM LINES ACCORDING TO FUNCTION. USE MASKING TAPE AND PEN.
- B. WHENEVER POSSIBLE, UTILIZE EXISTING WIRING AND LINES.
- C. GET A WIRING DIAGRAM OF YOUR CAR AND ONE FOR THE VEHICLE FROM WHICH THE NEW MOTOR WAS REMOVED. MAKE PHOTOCOPIES OF BOTH SYSTEMS AND THEN ADD YOUR MODIFICATIONS SO YOU WILL HAVE AN ACCURATE RECORD.
- D. DO NOT REMOVE SMOG SYSTEMS FOR THE SAKE OF TAKING THEM OFF. REMEMBER THE SMOG LAWS GO BY THE YEAR AND MODEL OF THE VEHICLE IN WHICH THE ENGINE IS INSTALLED. YOU MAY HAVE DIFFICULTIES FROM A LEGAL STANDPOINT, ESPECIALLY WHEN YOU TRY TO SELL THE VEHICLE.
- E. MOST NEWER ENGINES ARE DESIGNED TO RUN WITH THE VARIOUS SMOG SYSTEM WHICH CAME AS ORIGINAL EQUIPMENT. YOU MAY SAVE YOURSELF A GREAT DEAL OF TIME AND TROUBLE BY ATTEMPTING TO KEEP THE ENGINE AS CLOSE TO STOCK AS POSSIBLE.
- F. SAVE AS MUCH HARDWARE THAT IS REMOVED FROM THE CAR AS POSSIBLE. YOU MAY NEED SOME ITEMS LATER ON.
- G. DO IT RIGHT. TAKING SHORTCUTS IS NOT SAVING TIME IF YOU HAVE TO REDO IT AGAIN. BE ESPECIALLY CAREFUL TO PAY CLOSE ATTENTION TO CRITICAL AREAS LIKE FUEL SYSTEMS AND BRAKE LINES. THESE COULD BE OF LIFE AND DEATH CONSEQUENCES IF IGNORED.
- H. DO NOT OVERSTRESS COMPONENTS WHICH ARE DESIGNED FOR STOCK FOUR OR SIX CYLINDER TORQUE BY OVER ABUSE WITH A MOTOR OF GREATER HORSEPOWER.

BEFORE STARTING

YOUR VEHICLE MUST BE RAISED A MINIMUM OF 36 INCHES. A FLOOR HOIST IS IDEAL. IF NO HOIST IS AVAILABLE, WE STRONGLY URGE THE USE OF AXLE STANDS AS A SAFETY MEASURE. **CAUTION!** YOUR CAR SHOULD NOT BE SUPPORTED ON A BUMPER JACK. AN ENGINE HOIST WILL ALSO BE NECESSARY TO INSTALL AND POSITION ENGINE FOR CERTAIN PARTS OF THIS INSTALLATION.

ENGINE INSTALLATION PROCEDURE - PLEASE READ CAREFULLY

1. REMOVE BATTERY AND BATTERY MOUNTING BOX FROM FENDERWELL. REMOVE AIR INLET/AIR FILTER BOX AND HOSE.
2. DRAIN COOLING SYSTEMS, MARK AND DISCONNECT ALL LINES, HOSES, WIRES AND ANY LINKAGE ATTACHED TO EITHER MOTOR OR TRANSMISSION, REMOVE RADIATOR, DRIVE SHAFT, DRAIN ALL FLUID FROM TRANSMISSION. MARK POSITION OF HOOD HINGES, REMOVE HOOD.
3. POSITION AND SECURE HOIST TO ENGINE AND TRANSMISSION USING A SLING DESIGNED FOR THIS PURPOSE. REMOVE ENGINE MOUNTING BOLTS. SUPPORT TRANSMISSION WITH A HYDRAULIC JACK, REMOVE REAR TRANSMISSION BOLT AND NUTS, REMOVE TRANSMISSION CROSSMEMBER.
4. LIFT OLD ENGINE AND TRANSMISSION OUT OF CAR AS ONE UNIT, PLACE IT TO ONE SIDE.
5. DEPENDING ON WHICH TRANSMISSION YOU HAVE DECIDED TO USE THE TRANSMISSION TUNNEL MAY HAVE TO BE MODIFIED FOR ADEQUATE CLEARANCE. THE C-6 TRANSMISSION WILL NEED THE "EARS" ON THE TRANSMISSION BELLHOUSING REMOVED TO FACILITATE HEADER INSTALLATION. SEE ILLUSTRATION "A". THIS OPERATION IS BEST DONE WITH TRANSMISSION OUT OF VEHICLE. THE 5 SPEED TRANSMISSION MAY REQUIRE MODIFICATIONS TO THE TRANSMISSION TUNNEL TO GAIN ENOUGH CLEARANCE IF A SCATTER SHIELD IS USED.
6. THE OIL PAN REQUIRED FOR THIS TYPE OF SWAP MUST HAVE A REAR SUMP, A FORD ECONOLINE VAN 77-81, #E7UZ-6675-A AND A PICK-UP #E4UZ-6622-A OR A CANTON PAN #15-770, PICK-UP #15-771 AND DIPSTICK #20-850 IS NEEDED.
7. ASSEMBLE THE ENGINE AND TRANSMISSION TO BE USED IN SWAP, INSTALL MOTOR MOUNT BRACKET 12678 ONTO ENGINE AND TIGHTEN BOLTS.
8. USING THE ENGINE HOIST CAREFULLY LOWER ASSEMBLED ENGINE AND TRANSMISSION INTO ENGINE COMPARTMENT, AT THE SAME TIME SUPPORT TRANSMISSION WITH A HYDRAULIC JACK TO KEEP FROM DAMAGING TRANSMISSION.



SUPER COMPETITION

12678

9. WITH THE ENGINE AND TRANSMISSION IN VEHICLE CHECK THE MOTOR FOR CORRECT POSITION USING A LEVEL ON THE CARB MOUNTING FLANGE. ONCE SATISFIED OF PLACEMENT, RAISE TRANSMISSION WITH A HYDRAULIC JACK AND INSTALL TRANSMISSION CROSSMEMBER (USING A 86-93 5.0 MUSTANG "DOUBLE HUMP" CROSSMEMBER). TIGHTEN ALL CROSSMEMBER BOLTS. NOW GO BACK AND DOUBLE CHECK ENGINE ALIGNMENT. TIGHTEN ALL MOTOR MOUNT BOLTS.
10. INSTALL HOOKER HEADER #6224 PER INSTRUCTIONS.
11. BECAUSE OF INSUFFICIENT CLEARANCE FOR STOCK OIL FILTER MOUNTING IN SOME APPLICATIONS, IT IS RECOMMENDED THAT A REMOTE FILTER SYSTEM BE USED.
12. PULLEYS AND ACCESSORY BRACKETS FROM A VEHICLE OF THE SAME YEAR AS CAR CAN BE USED SO ALL ACCESSORIES OFF OF CAR CAN BE USED.
13. A RADIATOR TO HANDLE THE ADDED COOLING DEMANDS OF A LARGER MOTOR MUST BE FABRICATED AND INSTALLED. ANY COMPETANT RADIATOR SHOP CAN HANDLE THIS FOR YOU.
14. BECAUSE OF VERY LIMITED ENGINE TO RADIATOR CLEARANCE IT IS NECESSARY TO USE ELECTRIC "PUSHER" STYLE FANS MOUNTED IN FRONT OF RADIATOR - TWO 12" PUSHER FANS FIT BEST.
15. IF CHANGING FROM A FUEL INJECTED CAR TO A CARBURETED MOTOR YOUR FUEL PUMP WILL NEED TO BE CHANGED. FUEL INJECTION RUNS A MUCH HIGHER PSI AND WILL NOT WORK PROPERLY WITH A CARBURETOR.
16. RECONNECT ALL WIRES, CABLES AND LINKAGES. CHECK TO SEE THAT ADEQUATE CLEARANCE EXISTS BETWEEN ALL WIRES HOSES AND BRAKE LINES. REINSTALL HOOD.
17. CHECK CLEARANCE BETWEEN HOOD AND AIR FILTER: IT MAY BE NECESSARY TO INSTALL A FUNCTIONAL HOOD SCOOP OR A LOWER PROFILE AIR CLEANER.

WHEN FINISHED, GIVE YOUR VEHICLE A TEST DRIVE LISTENING CAREFULLY FOR ANY NEW NOISES. AFTER SEVERAL DAYS DRIVING, RETIGHTEN ALL BOLTS.

ANY QUESTIONS? PLEASE CONTACT THE CUSTOMER SERVICE DEPARTMENT AT: HOLLEY PERFORMANCE PRODUCTS
1801 RUSSELLVILLE RD., BOWLING GREEN, KY 42101-3542. TECHNICAL SERVICE: 270-781-9741 FAX: 270-781-9772
Email: flowtech@support.holley.com Website: www.holley.com

DID YOU KNOW THERE IS MORE TO HOOKER THAN JUST HEADERS? OF COURSE, WE LOVE OUR HOOKER HEADERS, BUT HOOKER BUILDS MORE THAN THE ULTIMATE IN HIGH PERFORMANCE EXHAUST SYSTEMS. ASK YOUR DEALER.

LIMITATION OF LIABILITY - DISCLAIMER: THE REGULATION OF EMISSIONS PRODUCTION, NOISE LEVELS AND SAFETY STANDARDS IS UNDERTAKEN BY THE FEDERAL GOVERNMENT, EACH OF THE FIFTY STATE LEGISLATURES AND BY MANY LOCAL MUNICIPALITIES, TOWNS AND COUNTIES.

HOOKEER INDUSTRIES MAKES NO WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR PARTICULAR PURPOSE, OR THAT ITS PRODUCTS ARE APPROVED FOR GENERAL USE, OR THAT ITS PRODUCTS COMPLY WITH LAWS, REGULATIONS OR ORDINANCES IN THE STATES WHERE THEY MAY BE SOLD TO THE ULTIMATE PURCHASER, THE CONSUMER.

UNLESS EXPRESSLY STATED TO THE CONTRARY IN THE CATALOG, INSTRUCTION SHEET OR PRICE LIST, THE ENTIRE RISK AS TO THE CONFORMITY OF ANY COMPANY PRODUCT IN ANY SUCH STATE AND AS TO REPAIR SHOULD THE PRODUCT PROVE TO BE DEFECTIVE OR NONCONFORMING, IS ON THE RETAIL PURCHASER, THE BUYER, THE ULTIMATE CONSUMER, OF SUCH PRODUCT AND IT IS NOT UPON THE SELLER, DISTRIBUTOR OR MANUFACTURER.

IN THIS CONNECTION, THE RETAIL PURCHASER, THE BUYER, THE ULTIMATE CONSUMER ASSUMES THE BURDEN OF THE ENTIRE COST OF ANY AND ALL NECESSARY SERVICE, ALTERATIONS OR REPAIR.
THE FOREGOING STATEMENT LIMITS THE LIABILITY OF THE MANUFACTURER.

