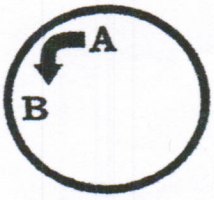
MARINE ENGINES

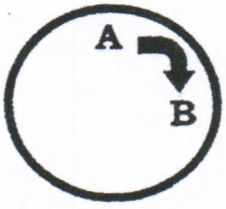
ENGINE ROTATION

TO DETERMINE ENGINE ROTATION, FACE THE FLY WHEEL FROM THE TRANSMISSION END OF THE ENGINE, AND OBSERVE THE ROTATION OF THE FLYWHEEL FROM POINT A TO POINT B.



LEFT HAND

- (AUTOMOTIVE ROTATION)
  - ALL STERN DRIVES
- MANY INBOARD SKI BOAT

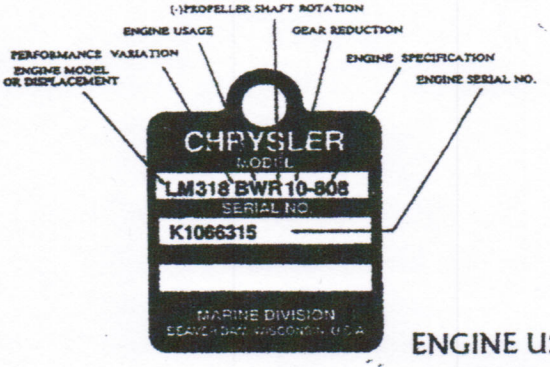


RIGHT HAND

- MOST SINGLE ENGINE INBOARD

CHRYSLER MARINE

CHRYSLER MARINE ENGINES HAVE A BRASS I.D. PLATE LIKE OR SIMILAR TO THE ONE TO THE RIGHT.THE PLATE IS ATTACHED EITHER ON TOP, OR AT THE REAR OF THE ENGINE. FROM THE TAG YOU CAN YOU CAN EASILY IDENTIFY: **ENGINE MODEL, DRIVE TYPE, REDUCTION, PERFORMANCE VARIATION, PROP SHAFT ROTATION , SPECIFICATION AND SERIAL NUMBERS.**

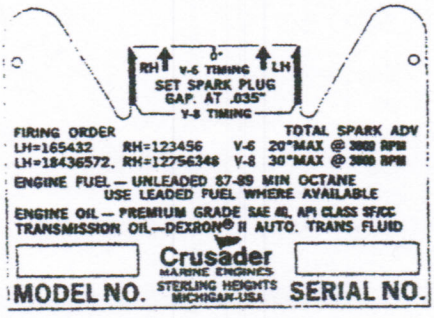


ENGINE USAGE

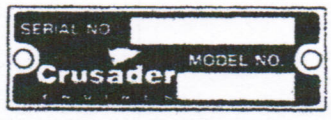
D - DANA DRIVE 90
J - TURBINE (JET) DRIVE
K - ANGLE DRIVE
M - MERCRUISER OUTDRIVE
N - PARAGON DRIVE (HYDRAULIC)
P - POWERNAUT OUTDRIVE
R - PARAGON MANUAL DRIVE
T - VOLVO OUTDRIVE
V - VEE DRIVE
W - WARNER DRIVE (HYDRAULIC)
X - NOT APPLICABLE
Y - SERVICE BASE ENGINE
Z - SERVICE SHORT

CRUSADER MARINE ENGINES

THE LOCATION OF THE IDENTIFICATION PLATE DEPENDS ON THE AGE OF THE ENGINE. ON PRE-XL SERIES ENGINES, THE IDENTIFICATION TAG IS ATTACHED TO THE FLYWHEEL HOUSING. ON XL & XLI SERIES, THE IDENTIFICATION PLATE IS ATTACHED TO THE BLOCK ALSO XL & XLI HAVE SPECIFICATION DECAL LOCATED ON ONE OF THE VALVE COVERS.



OLD STYLE PLATE (PRE-XL)



NEW STYLE PLATE (XL & XLI)

SPECIFICATION DECALE