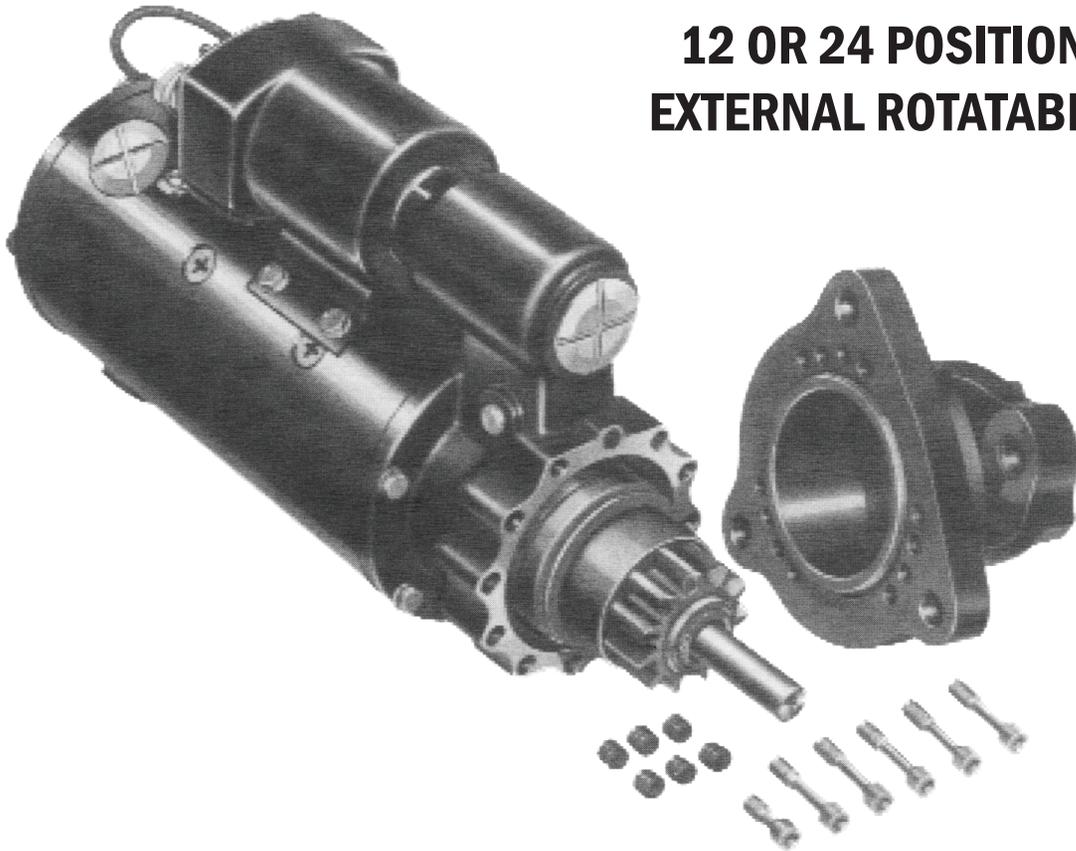




## TYPICAL TWO-PIECE DRIVE HOUSING 12 OR 24 POSITIONS EXTERNAL ROTATABLE



# STARTING MOTORS

## External Drive Housing Rotation

It may be necessary to rotate the drive housing of a replacement starting motor to match the solenoid position of the original starting motor.

It is recommended solenoid position be horizontal or above horizontal when mounted to the engine.

To change solenoid position, separate the drive housing from the lever housing by removing recessed allen head bolts located on the starting motor mounting surface.

Drive housing may be rotated every 30 degrees (12 position) or 15 degrees (24 position) with respect to the lever housing. Position the drive housing to match as close as possible the position of the starting original motor. Position of original starting motor can be obtained from original to replacement model cross reference.

When properly positioned, reattach drive housing and tighten allen head bolts to 13-17 foot pounds torque.

Replace rubber plugs (if removed) on 24 position starting motors.

After rotating the drive housing on 24 position starting motors (12 allen head bolt holes) and an allen head bolt is in the hole closest to (inline with a starting motor mounting bolt hold, a **12 point head mounting bolt will be necessary.**

### Drive Housing Rotation Description

Viewing a starting motor from the drive end solenoid switch position is determined by using motor mounting hole opposite the flywheel opening as the beginning or 0 degree reference point.

Rotating the drive housing counter-clockwise increases solenoid switch position degrees.

Important: The information contained on this sheet is for trained, professional technicians with proper tools, equipment, and training. The above is suggested only; you should not assume the above applies to your equipment. Karam A.L. assumes no responsibility for possible errors.