

## Timing Adjustments

### ⚠CAUTION

Engine may be timed while cranking engine with starter motor. To prevent engine from starting when being cranked, all spark plugs must be removed.

1. Insert Spark Gap Tool (91-63998A1) into each spark plug boot and attach alligator clips to good engine ground.
2. Disconnect remote fuel line from engine.
3. Connect remote control electrical harness to engine wiring harness.
4. Remove throttle cable barrel from barrel retainer.

**IMPORTANT:** If trigger link rod was disassembled verify that 11/16 in. (17.5mm) is retained.



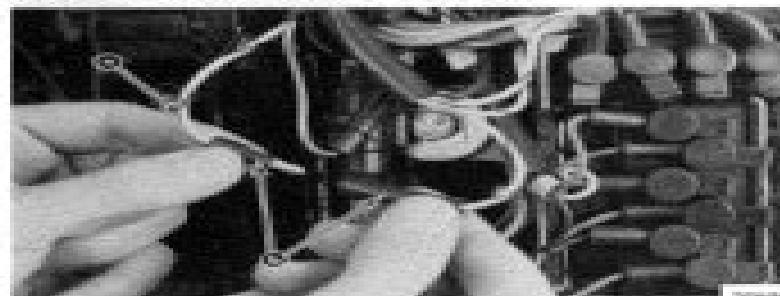
a - Trigger Link Rod

5. Disconnect and isolate white/black lead (starboard side of engine) from 3 wire stabilizer box at bullet connector.

### ⚠WARNING

While cranking outboard, keep clear of propeller as it may rotate.

**IMPORTANT:** To time outboard at cranking speed, a fully charged battery must be used.



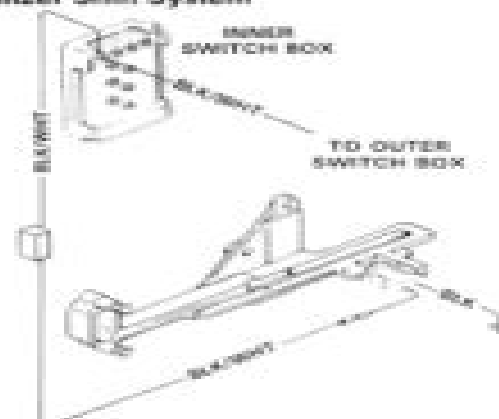
a - White/Black Lead  
b - Bullet Connector

## MAXIMUM TIMING ADJUSTMENT

### ⚠CAUTION

Models equipped with Idle Stabilizer Shift Kit Accessory (P/N 87-814281A1), excluding Merc XR4 and Mariner Magnum II, require maximum timing (cranking speed) to be retarded 3° from specifications listed on page 2C-1. Note, Stabilizer Shift Kit is standard on XR4 and Magnum II models and already has retarded timing degrees calibrated into specifications listed on page 2C-1.

#### Idle Stabilizer Shift System



1. Connect timing light to No. 1 spark plug lead (TOP STARBOARD BANK).
2. With engine in neutral, move throttle lever to place maximum spark advance screw against stop. Crank engine with starter motor and adjust maximum spark advance timing mark (see specifications preceding) with timing pointer. Due to the spark advance/retardation characteristics of this ignition system, this cranking speed adjustment will increase (XR4, Magnum II) or decrease (135, 150, 175, 200) timing at maximum RPM. Retighten jam nut on adjustment screw.



a - Maximum Spark Advance Screw

# Mercury Xr4 Repair Manual

**Joan Coles, Clarence W. Coles**



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and determine the likely identity of blocks a b c d and e order the mystery blocks from least dense lowest density to most dense highest density explain information sheet

*density lab answers key name studocu* - Jun 13 2023

web density lab answers key no freakin clue just let me cheat please brooklyn college general chem 2 chem 2100 students shared 30 documents in this course report document to post comments brentlynn it s good but you forgot to add the answers to the bottom of the page brentlynn i m obliged brentlynn 9 days ago i m obliged jonathan

**introducing density a free virtual chemistry lab activity** - Aug 03 2022

web sep 16 2020 section 1 defining density first students learn about the concept of density by way of an instructional video tutorial video 1 i offer a simple demonstration that compares the density of water oil and a metal coin to begin to consider density through particulate representation

density lab pbs learningmedia - Jan 28 2022

web use water displacement and a mass balance to determine the density of various objects in this interactive simulation of a classic physical science density lab can you determine the identity of the mystery substance from its density alone