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**A. "GASOLINE WARNING" CARDS - USE of NO-LEAD and LEAD-FREE GASOLINES**

*(Attach Service Bulletin Sticker to P. 1A-17 in Your Service Manual.)*

MerCruiser and Mercury Outboard customers have received a "Gasoline Warning" card (along with their MerCards) from the factory, commencing on and after the following dates:

Warning Card Form No.	Product	Purchased After
SIS-367	MerCruiser (Customer)	Feb. 4, 1971
SIS-362	Outboard (Customer)	Dec. 21, 1970
SIS-366	MerCruiser (Dealer)	Apr. 28, 1971
SIS-363	Outboard (Dealer)	Feb. 25, 1971

The "Gasoline Warning" card contains new information which was not incorporated into "Owners Operation and Maintenance Manuals" for 1971 and earlier models.

**B. MERCUISER 90 VALVE LASH ADJUSTMENT**

*(Attach Service Bulletin Sticker to P. 5B-2 in Your Service Manual.)*

The valve lash should be readjusted when servicing or installing a MerCruiser 90 Engine. Improper valve lash settings may have resulted when cylinder heads were retorqued after test running of engines by production.

**C. ENGINE ROTATION TERMINOLOGY - MERCUISER**

*(Attach Service Bulletin Sticker to P. 1A-2 in Your Service Manual.)*

Engine rotation terminology at times has caused confusion. To clarify, engine rotation is determined by observing CRANKSHAFT rotation from the rear of the engine looking forward. PROPELLER rotation IS NOT necessarily the same as engine rotation.

In the past, Mercury has referred to LEFT HAND turning engines as STANDARD rotation. OPPOSITE rotation is actually RIGHT HAND engine rotation. All future publications and correspondence, referring to engine rotation, will describe engine rotation as RIGHT HAND or LEFT HAND and not standard, opposite, clockwise, counterclockwise or any other directional reference.

All MerCruiser stern drive engines are LEFT HAND rotation engines. Inboard engines can be either LEFT or RIGHT HAND rotation. When ordering replacement engines, short blocks or parts for inboard engines, be certain to check engine rotation. DO NOT rely on propeller rotation in determining engine rotation.

(OVER)

#### D. MERCUISER 90 IGNITION TIMING

*(Attach Service Bulletin Sticker to P. 3B-25 in Your Service Manual.)*

MerCruiser 90 Engines, with Serial Nos. between 3225968 and 3226243 and inspected by tester Number 7375, may have timing incorrectly set at 2° ATDC, rather than 2° BTDC. When servicing or installing any of these engines, timing should be checked and set at 2° BTDC.

#### E. MERCUISER 215 and 888 SPARK PLUG ACCESSIBILITY

*(Attach Service Bulletin Sticker to P. 3B-23 in Your Service Manual.)*

Spark plugs on MerCruiser 215 and 888 Engines may be reached easier by using one of the following deep socket wrenches:

<u>Tool Mfgr.</u>	<u>Hex Drive End</u>	<u>U-Joint Drive End</u>
Snap-On	S-9704E	S-9704C-FU
Mac Tools	XD266P	XU266DP
Proto	5026HPA	5026-50

The above are not stock Mercury Marine tools and should be purchased from your local tool or automotive supplier. DO NOT order from your factory branch or distributor.

#### F. ROCKER COVER KITS for MERCUISER 120-140-160-165 MODELS

*(Attach Service Bulletin Sticker to P. 5A-2 in Your Service Manual.)*

New rocker covers for all 120-140-160 and 165 models incorporate a new crankcase vent system to prevent oil loss thru vented oil fill caps. These new kits have a new vent baffle inside the cover, a non-vented fill cap, new vent hose and installation instructions. On earlier models with stainless steel flame arrestor, it will be necessary to install latest style flame arrestor which has provisions for attaching vent hose.

B-62234A2	Rocker Cover Kit - 120 and 140 Models
B-62235A2	Rocker Cover Kit - 160 and 165 Models
B-62264	Flame Arrestor

#### G. LABOR RATE MANUAL CORRECTIONS

*(Make Changes in SIS-361 and SIS-385.)*

1. In SIS-361, "MerCruiser Engine and Stern Drive Labor Rate Manual", change time for job code MP32 on Page 3 from 9.7 to 6.2 hours.
2. In SIS-385, "MerCruiser Inboard Engine Labor Rate Manual", change time for job code IP30 on Page 3 from 6.2 to 2.7 hours.

The above changes are made to correct typographical errors, and new times are effective immediately. All warranty claims will be paid at the corrected times.