

MT A 118

Outboard Engines-V6

Overview:

Introduces troubleshooting, maintaining, and repairing four-stroke V6 (225-300 HP) outboard marine engines. Provides entry-level marine technicians with the knowledge to maintain the Yamaha 4.2L Offshore engine platform according to a maintenance schedule.

Student Learning Outcomes:

- use F225B LF225B F250B LF250B F300A LF300A Service Manual and related resources/tools
- use the maintenance charts in F225B LF225B F250B LF250B F300A LF300A Service Manual - LIT-18616-03-79
- inspect and replace marine batteries
- grease points / cowling and tilt operation
- inspect and replace spark plugs/ignition coil
- Vapor Separator Tank/fuel system
- inspect and replace thermostat
- timing belt inspection/replacement
- inspect and adjust valve clearance
- inspect and adjust throttle/shift cables/cable joint to specs
- inspect and replace propellers
- create and submit a parts pick list in YMBS
- change the oil
- inspect and replace water pumps
- conduct pressure tests
- use YDIS for basic maintenance-related tasks
- spot issues while performing regular maintenance tasks
- recommend and use the correct oil and lubricants
- properly drain and refill lower gear lubricant
- remove and reinstall lower units
- check PT&T operation
- inspect and replace anodes
- inspect and replace fuel filters and fuel pump
- conduct a compression test