



Orientation Checklist (ver.2) for Madi-Noelle

Updated: 09-15-13

This is a brief description of *Madi-Noelle* systems, including on-board location of equipment, and specific procedures for engine operation. Please refer to this checklist prior to departing from the dock.

General

- Spend your time with Madi-Noelle in a way that respects the boat, the sailors who will follow you sailing her, and the volunteers who have spent their personal time improving her. And respect yourself for doing the right thing.
- Accept risks only in a reasonable way. If you can, try to do the boat some good. Please report any damage, deficiencies or improvements to *Charley Tucker (703.851.2343)*.
- Ensure that the fuel level does not fall below ½ tank. Apply any previous donations for fueling. If re-fueling is not possible, leave a donation for the next re-fueling. (Envelope is in ship's log book.)
- Always pump out the holding bladder after your cruise so that the next guests will not begin their voyage with your waste on-board.
- Record your voyage in the ships log book located in the Navigation Station desk. Upon returning, clean the boat and store the rescue sling; when departing, remove trash & personal belongings.

Specifications

Registrat'n #:	115383	Hull #:	HUN36047M80H
Year:	1980	Engine:	Yanmar diesel 2QM20; 2 cylinder; # 87579
Displacement:	13,520 lbs.	Sail Area:	621 Sq. Ft
Mast Height:	50' 06"	Fuel:	30 gal; to view gauge, remove cockpit access plate
LOA:	35' 11"	Water:	60 gal; 2 tanks below Salon Settees; deck fill fittings
LWL:	29' 06"	Batteries:	Port Cockpit Locker; #1 Aft (House); #2 Forward (Start)
Beam:	11' 01"	Waste:	15 Gal. Holding (Bladder); pump-out fitting on deck
Draft:	4' 11"	Anchors	(2) Danforth (13 lb.); Bow Locker; 5' chain and 150' line

Special Conditions or Information – Engine

- The engine Oil Dipstick is located on the starboard side of the engine, aft of and below the throttle cable; dipstick access is possible from the companionway, but is more easily available from within the cockpit locker (starboard) after removing the panel shielding the engine.
- The engine Coolant Fill Hose and Overflow Tank is located in the cockpit locker (port).



Special Conditions or Information – Electrical & Instruments

- Shore Power (including on-board Battery Charger) has been temporarily disconnected.
- Batteries/Switches provide automated Battery Management. Battery #1 (Deep Cycle) is wired to the House Panel; Battery #2 (Cranking) is wired to the Starter Motor and Alternator. A secondary (automated) switch/relay (Cockpit Locker – Port) will combine the batteries (for charging purposes) while the engine is running. Use the “combined batteries” setting on the Battery Isolation Switch only when the House battery must be used to start the engine. Otherwise, leave the Switch “On” for the duration of your cruise and turn it to “Off” when leaving the boat.
- Auto Bilge Pump is wired to Electric Panel Switch, requiring that both the Battery Switch and the labeled (panel) switch be set to “On”.
- VHF Radio works, but reception is not optimal. Consider carrying/using a portable VHF for emergency use.
- CD player has been removed.
- Garmin Chart Plotter mounts onto the helm binnacle. Power cable attaches to Starboard-side connector. Power for the Plotter is controlled by the Electrical Panel switch marked “Garmin”.
- Depth Sounder is not working. However, Chart Plotter has sonar capability for providing depths.

Special Conditions or Information – Sailing

- Headsail Furling is available for the Genoa. To prevent the Furling Line from jamming in the furling drum, be sure to keep a bit of tension on the line as it is taken up in the drum during sail deployment. Observe that the line wraps evenly onto the full height of the furling drum.
- Reefing (single slab) is available on the mainsail. Reefing requires that the bottom mainsail slug, be removed (or at least lowered below the gate in the mast track). A pin, installed to secure the “gate” in its closed position must be released in order to lower the bottom slug during reefing. The Jiffy Reefing line cleats where it exits the boom under the gooseneck.
- The Topping Lift line cleats to the starboard side of the boom. The Outhaul line cleats to the underside of the boom.

Special Conditions or Information – Other

- Bimini height must be adjusted: (up when deployed; down when stored). Locate the pole on each side of the frame which raises the middle cross-member. Use the set screws on each side to hold the poles up (one screw takes a 1/8 Allen wrench; the other screw takes a small slot-head driver). Tools needed are stored in drawer @ Navigation Station.
- Charcoal Grill (located in Cockpit Lazerette) fits onto a post clamped to the stern pulpit.
- Hot Water is provided (to the Galley and Head sink faucets) via a heat exchanger. Accordingly, the engine must be running to provide a reliable supply of heated fresh water.
- The Shower drains into the bilge with its own sump. The Sump Pump is automatic, but requires that the Water Pressure Switch (on the Electrical Panel) be set to “On”.
- The Stove is fueled by alcohol from a tank located in the forward-most Galley cubby. The tank is pressurized, but has a manual valve at the top of the tank. Please keep the pressurized valve closed, except for when the stove is in use.
- Prop walk (to port with engine in reverse) is of above- average severity. Be aware, but use it to advantage, especially when backing into a slip.
- Do not open middle Port Light (strbd side); it is broken and will fall off.



Equipment/Supplies: USCG Required

Fire Extinguishers	(1)Cockpit Locker (port); (2)Salon Bulkhead (port); (3)V-berth Bulkhead (port)
Flares	Locker behind Settee (strbd)
PFDs (Type II) 4 + youth	Hanging Locker
Sounds	Cubby above Nav.Station

Equipment/Supplies: DSC Required

Anchor/Spare	Bow Locker
Bilge Pump Handle	Cubby above Nav. Station
Boat Bungs	Nav. Station Desk
Boat Hook	Hanging Locker
Bucket/Sponge	Cockpit Locker (strbd)
Chart Book	Nav.Station Desk
Deck Brush	Cockpit Locker (strbd) Shelf
Dock Lines	Cockpit Locker (strbd) Shelf
Dodger	V-Berth Shelf (strbd)
Emergency Tiller	(missing)
Engine Coolant	Cockpit Locker (port)
Engine Oil	Cockpit Locker (port)
First Aid Box	Shelf above Settee (port)
Flashlight	Nav. Station Drawer
Horn	see USCG Required Sounds
Life Jackets (extra)	(missing)
Log Book	Nav.Station Desk
Portable Bilge Pump	Cockpit Locker (strbd) Shelf
Radio VHF	Cubby above Nav. Station
Stove Fuel	Cockpit Locker (port)
Throwables	V-Berth Shelf (strbd)
Tool Kit #1	Cubby behind Settee (strbd)
Tool Kit #2	Hanging Locker
Winch Handles	Cubby above Nav. Station



Equipment/Supplies: DSC Recommended

Boat Manuals	Nav.Station Desk
Boat Soap	Cockpit Locker (strbd)
Charcoal Grill	Cockpit Lazerette
Chart Plotter	V-Berth Bottom Drawer (port)
Dish-Cleaning Soap	Galley (under sink)
Dustpan/Brush	Galley (under sink)
Engine Start Handle	Cubby above Nav.Station
Garbage Bags	Galley Shelf
Paper Towels	Galley (bracket)
Rescue Sling	Hang on Stern Pulpit
Shore Power Cable	Cockpit Lazerette
Shore Power Pigtail	Cockpit Lazerette

Thru-Hull Locations

Engine Raw Water Intake	Starboard Cockpit locker, below access panel in floor
Engine Exhaust	Stern Starboard side
Galley Sink Drain	Salon, below settee - Port side
Sink Drain Head	Head, under sink
Toilet Raw Water Intake	Forward Compartment, under V-Berth - Starboard side
Waste Bladder - Overboard Drain:	Forward Compartment, under V-Berth - Starboard side
Transducers (Depth / Sonar)	Salon, below settee – Forward - Starboard side

Deck Fitting Locations

Waste Bladder Pump-out	Forward, Starboard side
Fresh Water Fill Tubes	Forward, Port and Starboard sides
Diesel Fuel Fill Tube	Aft of Jib Winch, Port side



Engine Operation Procedures

Startup:

1. Remove Engine Cover below companionway steps
2. Check Belt tension and the general appearance of the engine
3. Check levels of Oil / Coolant / Fuel
4. Remove Key from raw water intake valve handle and **open raw water valve**
5. Turn Battery Switch (above Nav. Station counter) to position "On"
6. Shift Gear Lever (port side of binnacle) to neutral (vertical position)
7. Rotate (forward) Throttle lever (starboard side of binnacle) to half throttle
8. Insert Key into ignition and rotate clockwise (alarm should activate)
9. Push Starter Button until engine catches; if engine fails to start, consider combining both batteries using Battery Switch setting.
10. "Throttle Back" immediately when engine catches
11. Check for water from exhaust thru-hull (stern – starboard side)
12. Keep Battery Switch "On" for the duration of the cruise

Shutdown:

1. Rotate Throttle Lever all the way back (past idle) to "kill" the engine; (alarm should activate)
2. Turn Key to off position; consider hanging key from Throttle lever when engine is not running
3. (At end of sail) turn Battery Switch to "Off" position
4. Return Key to raw water intake valve handle and **shut raw water valve**