



LIFESAVING & EMERGENCY OPERATIONS

Gear and Equipment Inspection -

Instructions for IRB motor and hull

Season 2022-2023



INSPECTING AN IRB MOTOR

This powerpoint should empower you to successfully navigate the Patrol Ops App to inspect an IRB motor.

With some key items to focus on as some critical operational checks are not included in the app.



PATROL OPERATIONS APP

- Click on the Patrol Ops App on your phone or tablet.
- Tap on the three red lines – top left
- Select Gear from the drop down box
- Select IRB Motor
- Select Last Inspection tab
- Press **+New**
- Work through the inspection items and select
- **DISCARD RE-INSPECT PASS**
- Then add any notes in the box at the bottom, if there is nothing of note to add type “Nil”.
- Select Save.

- Watch the app movie 🖱️

16:58



IRB MOTOR INSPECTION PROCESS

Screenshot 1: Gear List
 14:35
 SLSC
 + Gear
 Beach Vehicle (ATV) (1 gear)
 Club Equipment (3 gear)
 Competition Equipment (45 gear)
 Computer and Electrical (2 gear)
 Defibrillator (8 gear)
 First Aid Equipment (6 gear)
 Fuel Cell (3 gear)
 IRB (4 gear)
 IRB Motor (3 gear)
 Lifejacket (11 gear)
 Manikin (11 gear)
 Oxygen Resuscitator (5 gear)

Screenshot 2: Gear Details
 16:40
 IRB Motor - 1
 Condition: Excellent
 Issues: 0
 Last Inspection: 24/Sep/2020
 Equipment Condition: Excellent
 Manufacturer Serial No. *: ON336886
 Motor Make *: Mercury
 Motor Model *: ME25M
 BSEF Grant: Yes/No
 Current Gear Inspection Date: 24 Sep 2020
 Date of Purchase: [Dropdown]
 Equipment Insured by: [Text]
 Equipment Insured for: (\$) [Text]
 Gear Inspection Completed by: Sonya W
 Gear Inspection Notes/Comments: brand new

Screenshot 3: Gear Inspections
 14:35
 IRB Motor - 1
 Condition: Excellent
 Issues: 0
 Last Inspection: 24/Sep/2020
 Current Inspection Date: 24/09/2020
 Inspection Completed By: Sonya W
 Inspection Comments: brand new
 Successfully Completed: Passed
 Inspections: [Refresh] + New
 No Inspections found! :(
 Updated less than a minute ago

Screenshot 4: Inspection Details
 14:35
 IRB Motor - 1
 Condition: Excellent
 Issues: 0
 Last Inspection: 24/Sep/2020
 Current Inspection Date: 24/09/2020
 Inspection Completed By: Sonya W
 Inspection Comments: brand new
 Successfully Completed: Passed
 Inspections: [Refresh] + New
 No Inspections found! :(
 Updated less than a minute ago

Bottom Navigation Bar:
 Home, Patrol, Issues, Tracker, Dash, Activities

IRB MOTOR INSPECTION PROCESS

16:40 4G

← Inspection

Equipment Condition
Excellent

Manufacturer Serial No.
ON336886

Motor Make
Mercury

Motor Model
ME25M

Propeller Guard Model (if present)
MCM

Propeller Guard Serial No. (if present)
MCM3501148

Propeller model (4 blade only)
POWERTECH

Propeller serial number (if present)
9474359

Motor seals are intact

Discard Re-inspect Pass

No obvious motor modifications

Discard Re-inspect Pass

Restrictor device in place

Discard Re-inspect Pass

Rust/Corrosion Free

Discard Re-inspect Pass

26 missing steps Save

16:40 4G

← Inspection

Smooth/Full Throttle Action (in gear engine not running)

Discard Re-inspect Pass

Motor Cover and Clip

Discard Re-inspect Pass

Propeller Blades (4 blade only)

Discard Re-inspect Pass

Propeller Guard (is securely fixed)

Discard Re-inspect Pass

Clamp Threads and Handles

Discard Re-inspect Pass

Clamp Brackets

Discard Re-inspect Pass

Tilt Bracket and Fixings

Discard Re-inspect Pass

Swivel Brackets and Fixings

Discard Re-inspect Pass

26 missing steps Save

16:40 4G

← Inspection

Swivel Brackets and Fixings

Discard Re-inspect Pass

Starter Cord and Recoil

Discard Re-inspect Pass

Motor Actually Runs and Idles

Discard Re-inspect Pass

Gear Shift (F, R, N)

Discard Re-inspect Pass

Gear Lever

Discard Re-inspect Pass

Stop Button/s

Discard Re-inspect Pass

No Major Defects

Discard Re-inspect Pass

Motor Numbered

Discard Re-inspect Pass

26 missing steps Save

16:40 4G

← Inspection

Motor Actually Runs and Idles

Discard Re-inspect Pass

Gear Shift (F, R, N)

Discard Re-inspect Pass

Gear Lever

Discard Re-inspect Pass

Stop Button/s

Discard Re-inspect Pass

No Major Defects

Discard Re-inspect Pass

Motor Numbered

Discard Re-inspect Pass

Notes

Insert notes here. ⓘ

26 missing steps Save

OPERATIONAL CHECKS - PASSES

Motor seals are intact

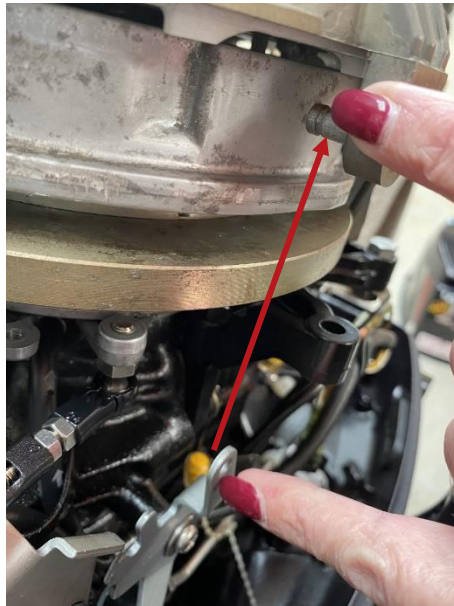
There will be 3 or 4 depending on make of motor



Condition of hoses and wiring



Mechanism to prevent motor from starting in gear removed



Clamp brackets

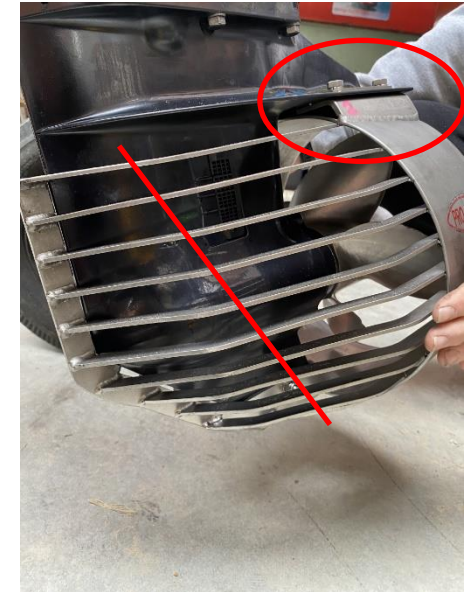


OPERATIONAL CHECKS- PASSES

Starter cord and recoil
(pull out to ensure no
fraying / damage)



Bolts attaching the
prop guard to the
anti-cavitation
plate and the skeg
are secure.



Prop guard: ensure
vanes have no
sharp edges, cracks,
bends or twists

Stop button/s



Choke/primer
functions



OPERATIONAL CHECKS – PASSES

Gear lever – tiller arm
Ensure there are no cracks/or damage



Ensure all clamps have no cracks / splits/damage



Gear shift F/R/N
(also ensure gear engages with lever)

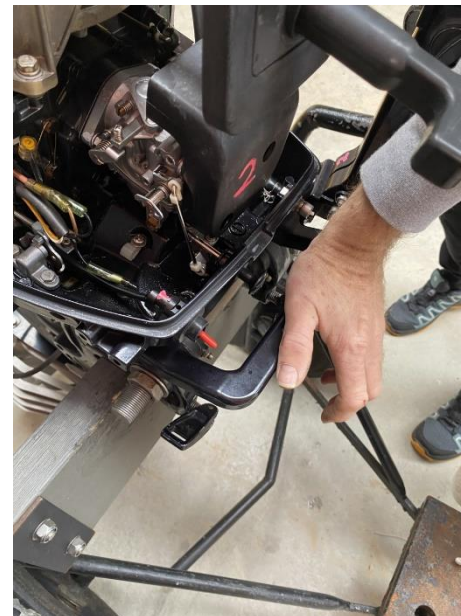


Motor is numbered



OPERATIONAL CHECKS TO INCLUDE IN YOUR INSPECTION

- Ensure all bolts all over the motor are secure with none sheared, cracked, rusted.
- No sand, oil, water in motor cavity.
- Ensure prop has it's pin inserted.
- Ensure the foot and body (and handle) of motor has no cracks, wearing or damage.



NEXT UP.....

INSPECTING AN IRB



IRB HULL INSPECTION PROCESS -

16:27 4G

← Gear Details

IRB - SL73S

Condition	Issues	Last Inspection
Good	0	24/Sep/2020

Equipment Condition *

IRB Class *

IRB Make / Model *

IRB Manufacturer *

IRB Registration No. (e.g. SR No.) *

Manufacturer Serial No. *

Registration Expiry *

SLSA Serial No. (e.g. 1/AC/20/001) *

BSEF Grant

Current Gear Inspection Date

Date of Purchase

Equipment Insured

16:27 4G

← Gear Inspections

IRB - SL73S

Condition	Issues	Last Inspection
Good	0	24/Sep/2020

Current Inspection Date
24/09/2020

Inspection Completed By
Sonya W

Inspection Comments
Successfully Completed
Passed

Inspections

Updated less than a minute ago

+ New

16:27 4G

← Inspection

Equipment Condition
Good

H.I.N (if required by State/Territory)
JPACH000ZZH910

IRB Class
Class 1 - Soft Hull

IRB Make / Model
Achilles SSL-375 - Soft Hull

IRB Manufacturer
Unknown

IRB Registration No. (e.g. SR No.)
SL73S

Manufacturer Serial No.
ACH00022H910

Registration Expiry
2017-06-02

SLSA Serial No. (e.g. 1/AC/20/001)
1-AC-1083N

IRB Code of Conduct (on Notice Board)

Floorboard Out (Class 1 & Class 3) Y / N

Buoyancy Tube Wear to Underside

Buoyancy Tube Wear at Floorboard Junction

32 missing steps

IRB HULL INSPECTION PROCESS -

16:27 4G

← Inspection

Buoyancy Tube Wear at Floorboard Junction

Discard Re-inspect Pass

Reflective Tape

Discard Re-inspect Pass

Spray Dodger

Discard Re-inspect Pass

Bow Rope + Handles

Discard Re-inspect Pass

Bow Rope D Fitting

Discard Re-inspect Pass

Buoyancy Tube Ropes & Eyelets

Discard Re-inspect Pass

Re-right Handles Rope + Pouch. (Length 1400mm - does not foul prop)

Discard Re-inspect Pass

Carry Handles

32 missing steps Save

16:27 4G

← Inspection

Carry Handles

Discard Re-inspect Pass

Driver's Boarding Handle

Discard Re-inspect Pass

Crewperson's Boarding Handle

Discard Re-inspect Pass

Fuel Line Loops

Discard Re-inspect Pass

Inflation Valves

Discard Re-inspect Pass

Transom Plate Wear

Discard Re-inspect Pass

Transom Lip (5mm Square)

Discard Re-inspect Pass

Motor Safety Cable (1/boat)

Discard Re-inspect Pass

32 missing steps Save

16:27 4G

← Inspection

Motor Safety Cable (1/boat)

Discard Re-inspect Pass

Eye Bolts

Discard Re-inspect Pass

Bungs (if applicable)

Discard Re-inspect Pass

Knife & Sheath (square tip for use as a screwdriver)

Discard Re-inspect Pass

Paddles: Stowage, Condition + Correct Size (1 set/boat)

Discard Re-inspect Pass

15m Tow Rope: Stowage, Splice, Clip + Float (each end)

Discard Re-inspect Pass

Approved Rescue Tube: Stowage

Discard Re-inspect Pass

32 missing steps Save

16:27 4G

← Inspection

Discard Re-inspect Pass

Floorboards (not worn, no holes/sharps)

Discard Re-inspect Pass

Floorboard hinge condition (if applicable)

Discard Re-inspect Pass

Fuel Cell's Fixings

Discard Re-inspect Pass

Foot Straps (1xdriver, 1xcrew)

Discard Re-inspect Pass

Pressure Gauge (1/boat type)

Discard Re-inspect Pass

Notes

Insert notes here. ⓘ

32 missing steps Save

OPERATIONAL CHECKS - PASSES

Pontoon rope eyelets aren't corroded, bent or missing.



Transom:
No delamination
No warping, splits or swelling.

Eyebolts are without fault.



Spray dodger:
No tears, fraying edges or sagging.




Rubber floor is without wearing or any tears at the pontoon junction.



OPERATIONAL CHECKS - PASSES

Rollover rope:
Clean, not
fraying, not
tangled.
The grips are
without tears
or splits.



To check the
rollover rope
will not be
entangled in
the prop imitate
the process of a
rollover as
shown in this
picture 
Rope under the
pontoon to
check length of
rope.



OPERATIONAL CHECKS - PASSES

Crew handle:
No damage to
plastic or to the
rubber.



Knife has a
rounded tip and
isn't rusty.
Secured safely to
transom.



Transom
wear plate lip
is 5mm



Pontoon valve:
No rubber
damage to seal.
No damage to
cap.





THANK YOU