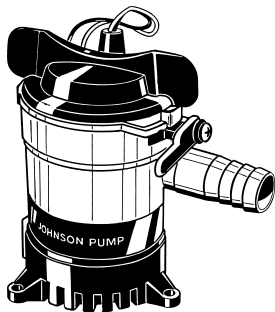


Instruction Manual

*Submersible
bilge pumps*

*Cartridge L-Series,
L450, L550, L650, L750*



Type designation

L450 – 12 V	L550 – 12 V	L650 – 12 V	L750 – 12 V
32-1450-01	32-1550-01	32-1650-01	32-1750-01

Design features

L450	L550	L650	L750
3/4"	3/4"	3/4"	1.1/8"
49 l/min/778 GPH	56 l/min/884 GPH	61 l/min/972 GPH	73 l/min /1,150 GPH
Capacity, 1 m head (13.6 V)	45 l/min/713 GPH	53 l/min/844 GPH	60 l/min /952 GPH
38 l/min/601 GPH	12 V DC	12 V DC	12 V DC
12 V DC	2,5 A	3,2 A	3 A
Amperage	3 A	5 A	5 A
Fuse size	112 mm	112 mm	112 mm
Height	70 mm	70 mm	70 mm
Max dia	0,27 kg	0,27 kg	0,32 kg
Weight	Thermoplastic	Thermoplastic	Thermoplastic
Body	Lip seal	Lip seal	Lip seal
Shaft seal	0,75 mm ²	0,75 mm ²	0,75 mm ²
Wire size			

Lowest level for suction

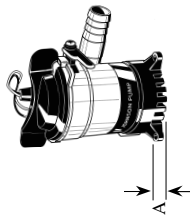
Measure "A"

L450 – 8 mm

L550 – 8 mm

L650 – 8 mm

L750 – 8 mm



- Mount in the lowest point of the bilge
- For longer pump life, do not run dry

INSTALLATION

Please follow the installation instructions carefully to assure maximum efficiency in your bilge pump operation.

1. Mount the pump in the lowest point of the bilge.
2. Select a point where the bilge water is to be pumped overboard as high as possible above the water line and at the shortest distance from the pump. Install a 3/4" thru-hull fitting (L750 – 1.1/8").
3. Fasten a 3/4" (L750 – 1.1/8") fuel resistant hose from the pump outlet to the thru-hull fitting. Avoid sharp bends or loops. Support the hose if necessary.

Note: In order to prevent air lock is important that the hose not be allowed to dip below the pump outlet. The hose should be constantly rising.

Electrical installation

1. Connect the brown wire to the positive (+) terminal of the battery.
2. Connect the black wire to the negative (-) terminal of the battery.

3. Do not cut back insulation more than necessary. Insulation or cable sheathings have to be removed in such a way that they end well above the highest bilge water level. The wire connections should be sealed with a marine sealant to prevent wire corrosion.

To remove or replace power cartridge

See page 21

1. Lift tab and rotate the two fins in a counter clockwise direction and lift out.
2. To reinstall, first make sure that the seal is properly located. Coat the seal with a light film of vegetable oil or mineral oil, then align the two cams on either side of the power cartridge with the two slots in the outer housing. Press down and twist in a clockwise rotation. To ensure that the power cartridge is properly located, twist tins in a counter clock-wise direction without lifting tab. Cartridge should stay in place.

ACCESSORIES

Automatic Switch AS888

Part No. 34-888

The automatic switch AS888 protects electrically operated pumps and gives fully automatic operation. The AS888 is made of corrosion resistant materials.



Panel 12 or 24 V

Part No.

12 V – 34-1224

24 V – 34-1225

The panel combined with automatic switch AS888 is an excellent installation for your boat.



Installation Johnson Pump submersible bilge pump/ automatic switch AS888/ Panel

See page 22

Always install switch AS888, panel and fuses between the positive (+) terminal of the battery and the positive (+) connection of the pump (brown wire).

The negative (-) connection (black wire) of the pump to be connected directly to the negative (-) terminal of the battery. Fuse size applies to pump specification.

Electronic Float Switch

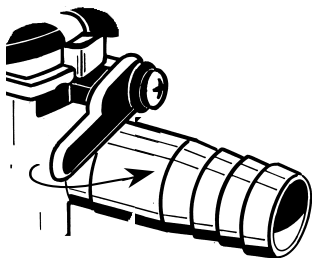
Part No.

34-1900 B – 12 V

34-1900 B – 24 V

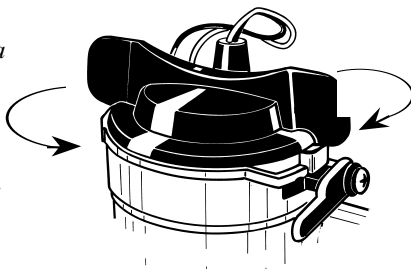
The electronic float switch is the same switch as on Cartridge Duo. As a separate accessory it is possible to attach the switch to all pumps in the Johnson Pump L-serie.





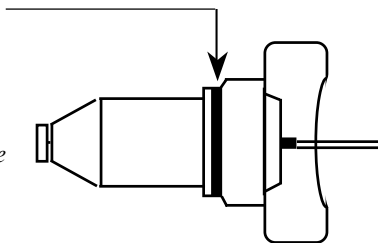
Lyft låshaken
 Lift tab
 Die Zunge heben
 Soulever la languette
 Levantar la lengüeta
 Levare la linguetta

Demontera
 Remove
 Entfernen
 Enlever
 Quitar
 Rimuovere



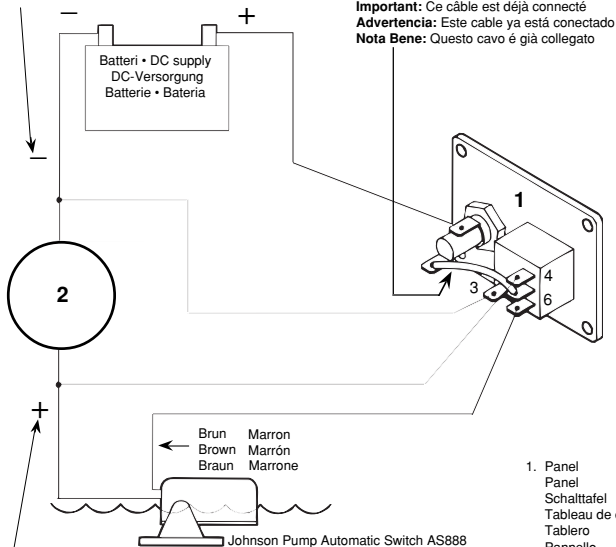
Montera
 Reinstall
 Montieren
 Remonter
 Montrar
 Rimontare

Tätning
 Seal
 Dichtung
 Joint
 Junta
 Guarnizione



Elektrisk intallation med Johnson Pump panel
Electrical installation with Johnson Pump Panel
Elektrischer Anschluss mit Johnson Pump Schalttafel
Schéma de raccordement avec le tableau de commande Johnson Pump
Instalación eléctrica con panel Johnson Pump
Schema collegamento elettrico con pannello di controllo Johnson Pump

- (-) svart pumpkabel
- (-) black pump lead
- (-) schwarzer Pumpeleiter
- (-) fil noir de la pompe
- (-) conductor bomba negro
- (-) pompa cavo nero



Obs: Denna kabel är redan ansluten
Note: This cable is already connected
Wichtig: Kabel ist bereits verbunden
Important: Ce câble est déjà connecté
Advertencia: Este cable ya está conectado
Nota Bene: Questo cavo é già collegato

1. Panel
Panel
Schalttafel
Tableau de commande
Tablero
Pannello
2. Lånsump
Bilge pump
Bilgenpumpe
Pompe de cale
Bomba de sentina
Pompa di sentina

- (+) brun pumpkabel
- (+) brown pump lead
- (+) brauner Pumpeleiter
- (+) fil marron de la pompe
- (+) conductor bomba marrón
- (+) pompa cavo marrone

Elektrisk intallation utan panel
Electrical installation without panel
Elektrischer Anschluss ohne Schalttafel
Schéma de raccordement sans tableau de commande
Instalación eléctrica sin panel

- (-) svart pumpkabel
- (-) black pump lead
- (-) schwarzer Pumpeleiter
- (-) fil noir de la pompe
- (-) conductor bomba negro
- (-) pompa cavo nero

