



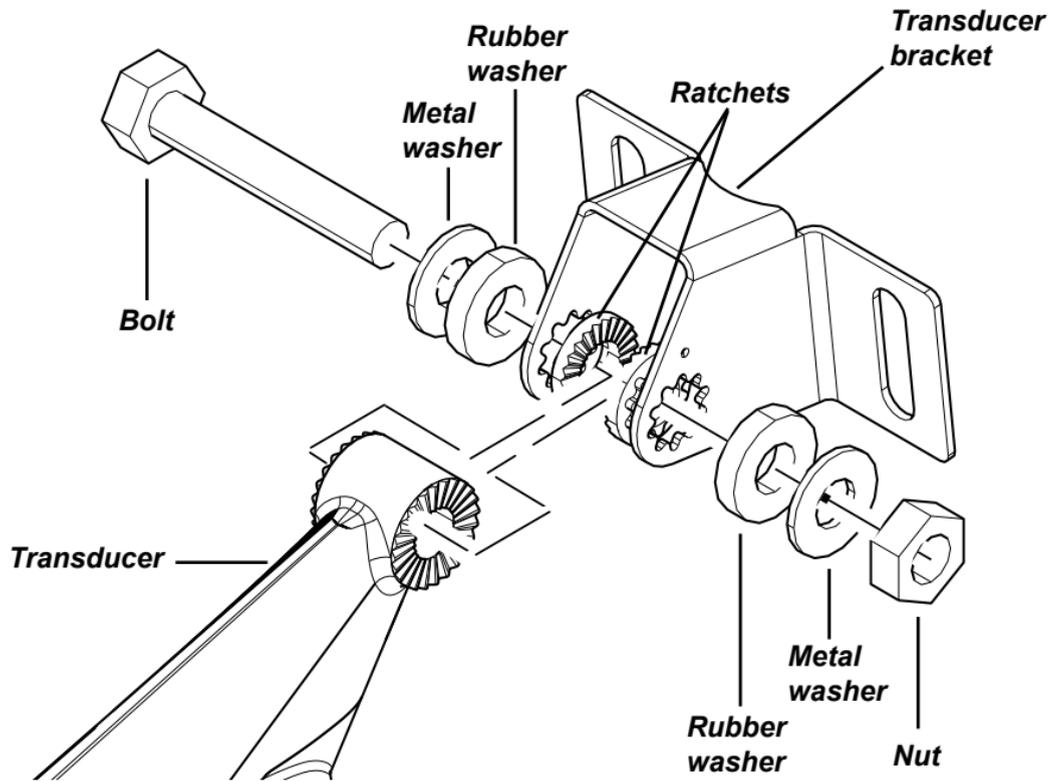
DSI Series Installation

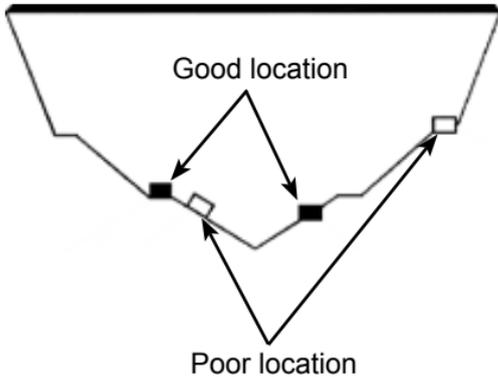
This document covers the installation of the DSI series transducer and display unit installation.

Parts List	
Display unit	Display unit bracket slotted-head (Phillips) mounting screws (4)
Display unit mounting bracket	Transducer bracket slotted-head (Phillips) mounting screws (2)
DSI transducer/power cable	Nut
Transducer mounting bolt	Ratchets (2)
Rubber washers (2)	Transducer mounting bracket
Metal washers (2)	

(Tools and Supplies — not included)	
Drill	Marine grade below waterline sealant
1" (25mm) or 5/8" (15mm) drill bit	Zip ties (trolling motor mount)
#29 (0.136") (3mm) drill bit	Trolling motor accessory kit
Slotted-head (Phillips) drill bit	FM-ME5 flush mount kit (pn: 000-10028-001) (optional)

Transducer bracket assembly





Selecting transducer location

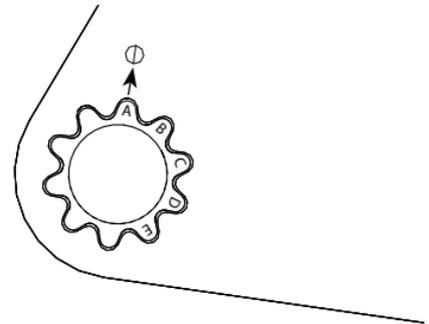
The DSI transducer must be in the water at all times and in a location that has a smooth flow of water when the boat is moving.

If it is not placed in a smooth flow of water, interference from bubbles and turbulence may diminish product performance. The unit also could lose bottom signal when the boat is on plane. **Install the transducer at least 1' (.3m) away from the engine's lower unit.**

Aligning transducer ratchets

Ratchets are used to ensure the transducer is installed parallel to the ground.

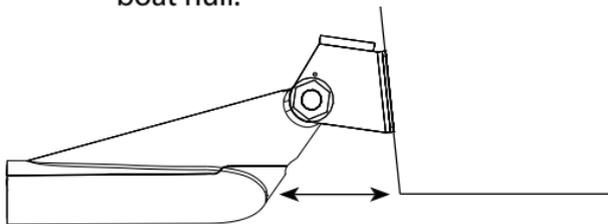
1. Insert the ratchets in the bracket with the letter "A" aligned with the dot stamped on the outside of the transducer bracket.
2. Slide the transducer into the bracket and temporarily slide the bolt through the transducer bracket.



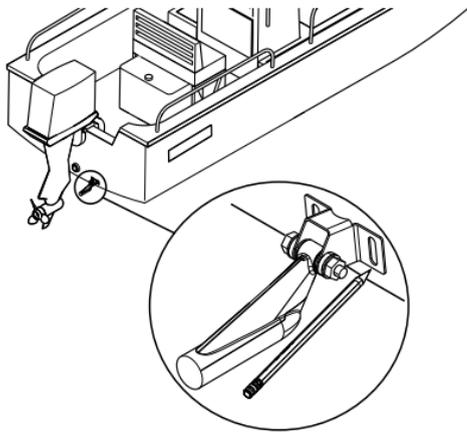
3. Hold the transducer assembly against the transom. Look at the transducer from the side. If it is parallel to the ground, then the "A" position is correct.
4. If the transducer can not be adjusted so its face is parallel to the ground, remove the transducer and ratchets from the bracket. Reinsert the ratchets into the bracket, this time with the letter "B" aligned with the dot stamped in the bracket. Reassemble the transducer and bracket and place it against the transom.
5. Repeat this process until the transducer can be adjusted so its face is parallel with the ground.

Mounting to transom

1. Adjust the transducer so its face is parallel with the ground and its center is even with the bottom of the boat hull.



2. Hold the transducer and bracket assembly against the transom. When the transducer and bracket are properly aligned mark its position on the hull.



3. Drill the mounting holes for the transducer bracket. Use a #29 bit (for the #10 screws).
4. Attach the transducer to the transom using the supplied screws (2).

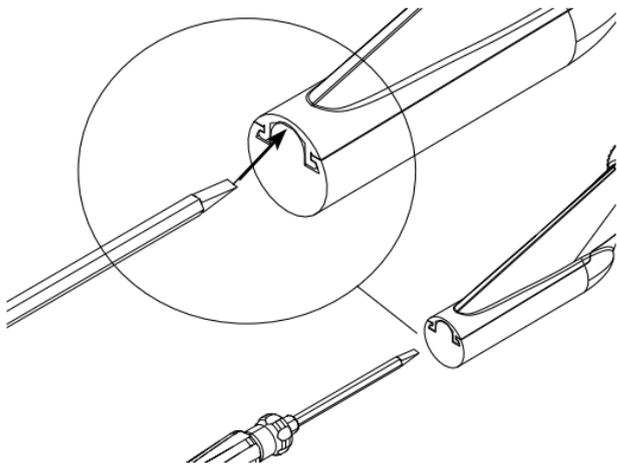
Shoot-thru hull

The DSI transducer can be epoxied to the hull for shoot-thru installations. This is not a recommended installation method since it significantly degrades DSI performance.

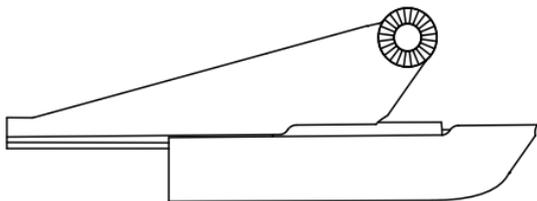
Mounting on trolling motor

The optional DSI trolling motor accessory (pn: 000-10261-001) is available through LEI Extras at www.lei-extras.com. The Trolling motor accessory allows you to mount the DSI transducer to a trolling motor.

You must remove the factory installed transducer mount from the transducer housing before you can install the DSI transducer on a trolling motor.

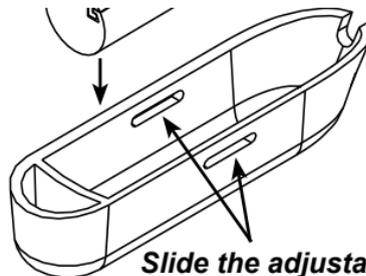


Using a flathead screwdriver, depress the release tab and slide off the transducer mount.

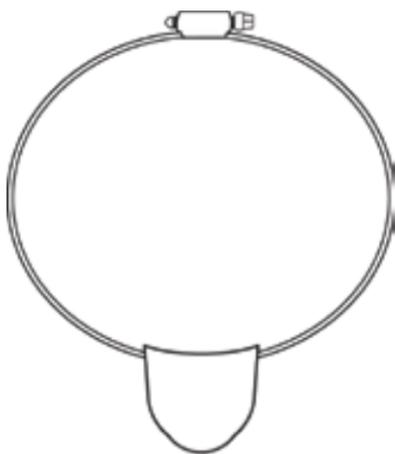


Installing transducer on trolling motor:

1. Place the DSI transducer inside the trolling motor housing.
2. Slide the adjustable strap (hose clamp) through the slots in the trolling motor housing and slip the strap around the trolling motor.

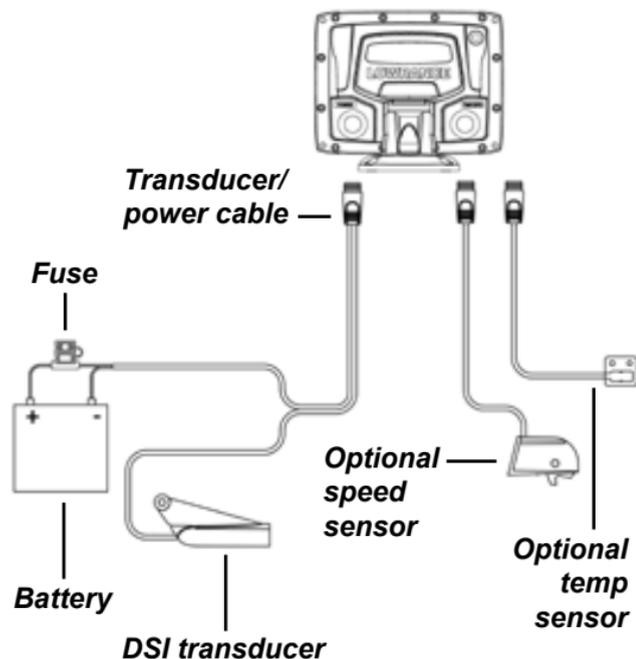


Slide the adjustable strap through these slots.



3. Position the trolling motor housing so its face is pointing down when the trolling motor is in the water.
4. Tighten the adjustable strap securely to the trolling motor. Make sure there is enough slack in the transducer cable for the trolling motor to turn freely.

Wiring Diagram



General	
Case Size	5.4" H (134mm) x 6.8" W (174mm); 6" H (152mm) with bracket
Weight	Mark 5x DSI: 1.35lbs (613kgs) Elite 5x DSI: 1.68lbs (.763kgs) Elite 5 DSI: 1.73lbs (.77kgs)
Display	Elite: (5" diagonal) Enhanced Solar MAX™ 480x480 256 color TFT LCD Mark: (5" diagonal) 480x480 monochrome
Backlight	Cold cathode fluorescent lamp (11 levels)
Communications	NMEA 0183 Output (Elite 5 DSI only)
Shared devices supported	VHF and Autopilot through NMEA 0183 (Elite 5 DSI only)
Power	
Transmit Power	2400W PTP; 300W RMS
Power Requirement	12 Volts DC
Voltage Input	10 to 17V
Current drain	Elite 5: at 13.5V (630mA) Mark 5x: at 13.5V (320mA)

Fuse type	3-amp Automotive (not supplied)
Sonar (Elite 5 only)	
Max depth	200 ft (61m)
Transducer Frequency	455/800kHz
Max speed	50 mph (80 kph)
Transducer	DSI (Downscan) transducer
Transducer cable	20ft (6m)
GPS (Elite 5 DSI only)	
Mapping card slot	microSD (up to 2GB); microSDHC high capacity cards are not compatible
GPS Antenna	16 parallel channel (internal); optional external GPS antenna sold separately
Mapping compatibility	Fishing Hot Spots, Lake Master, NauticPath & Navionics (HotMaps, Premium & Gold)
Waypoints	Up to 3000 waypoints, 100 routes and 100 trails

