



Installation and Troubleshooting Guide

This installation is to be completed by an Authorized Dealer or Professional Service Technician. For questions regarding installation or warranty, call Technical Support at (800) 648-3976. Do not return to the Dealer or Distributor where the part was purchased. Contact Sierra Directly for Return Goods Authorization.

SIERRA P/N: 18-99275

This unit replaces P/N's: FA12231, F12345, FA12370, FX14406, A122370, A12231, FX14877, FX14877CS, FX14877A, FX14877B, FX14877C, and 88949A07.

This unit replaces CDI P/N: 185-2370

Warning! This product is designed for installation by a professional marine mechanic. Dometic cannot be held liable for injury or damage resulting from improper installation, abuse, neglect, or misuse of this product.

OPERATION

As the flywheel rotates, magnets around its outer diameter creates a current that flows through the closed breaker points. This flow of current through the Magneto coil's primary winding builds a strong magnetic field in the Magneto coil's secondary winding. When the cam opens the #1 point set, the magnetic field collapses, inducing a high voltage in the Magneto coil's secondary winding that is sent to the #1 spark plug. The condenser absorbs any residual current remaining in the primary windings. This eliminates arcing at the points and produces a stronger spark at the spark plug. The breaker points close and the flywheel continues to rotate, repeating the process in the #2 points set and the Magneto coil to fire the #2 spark plug.

INSTALLATION

TO REPLACE THE COIL FOR #1 CYLINDER:

1. Disconnect the Negative battery cable.
2. Disconnect the #1 (top) high tension lead and remove the spark plug boot.
3. Slip off the top indicator band and slide the band on the new spark plug wire.
4. Remove the flywheel per the service manual for your engine.
5. Disconnect the front Ignition coil assembly ground and points wires, retaining the nut and washer from breaker point and ground wire screw.
6. Pry up on the retaining clip and slide the old coil off, removing it from the engine entirely. Make a note of the wire routing for easier installation of the new coil.
7. Route the new spark plug wire thru the magneto plate bracket from the *spark plug side*.
8. Screw the new spark plug wire into the new coil and slide the coil onto the mounting bracket. Do not use the retaining clip when installing the new coil.
9. When the new coil is all the way against the back of the mounting bracket, bend the top lamination of the mounting bracket up and the bottom lamination of the mounting bracket down in order to lock the coil on the mounting bracket.
10. Connect the coil ground (Black) wire and point (Green) wire.
11. Install the flywheel according to the service manual.
12. Reconnect the Negative battery cable.

TO REPLACE THE COIL FOR #2 CYLINDER:

1. Disconnect the Negative battery cable.
2. Disconnect the #2 (bottom) high tension lead and remove the spark plug boot.
3. Slip off the top indicator band and slide the band on the new spark plug wire.
4. Remove the flywheel per the service manual for your engine.
5. Disconnect the rear Ignition coil assembly ground and points wires, retaining the nut and washer from breaker point and ground wire screw.
6. Pry up on the retaining clip and slide the old coil off, removing it from the engine entirely. Make a note of the wire routing for easier installation of the new coil.
7. Route the new spark plug wire thru the magneto plate bracket from the *spark plug side*.
8. Screw the new spark plug wire into the new coil and slide the coil onto the mounting bracket. Do not use the retaining clip when installing the new coil.
9. When the new coil is all the way against the back of the mounting bracket, bend the top lamination of the mounting bracket up and the bottom lamination of the mounting bracket down in order to lock the coil on the mounting bracket.
10. Connect the coil ground (Black) wire and point (Green) wire.
11. Reinstall the flywheel according to the service manual.
12. Reconnect the Negative battery cable.

Dometic • 1 Sierra Place • Litchfield, IL 62056 USA

Web Support: www.catalog.sierraparts.com • Technical Support and Customer Service (800) 648-3976

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TROUBLESHOOTING

NO SPARK ON ONE OR MORE CYLINDERS:

1. Disconnect and separate the kill wires.
2. Inspect both Points sets for corrosion and burned marks on the contact surfaces. Clean the points faces and contact areas well.
3. Check the Points gap setting to make sure it is correct. When in doubt, tighten the gap up slightly.
4. Replace the Magneto Ignition coil.
5. Test or replace the condenser.