



New Owners of Lehman SP135 & SP90 HP Engines

Here are things you should do to bring your engine up to date!

Recovery System

Add A reclaim bottle and replace the original filler cap with one having an upper gasket for sealing. The recovery system will remove all air from the closed cooling system. You must first check the overflow pipe to be sure it is clear. Most overflows will require drilling out tat the tank. If you have questions phone ADC.



Part Number 822-5007 Recovery Bottle w/ new cap



Replacement Neck & Top Sealing Cap

When the old tank neck cracks and leaks it is time to install a new neck. Always install a new cap having an upper gasket to assure the recovery bottle will draw back.

822-0007 - Cap

L1F63 - Neck

One Piece Pump & Drive Assembly

After 2000 hours, or cruising to remote areas, you should carry a new pump on board. The original Jabsco pump is extremely expensive to rebuild, when a new shaft and bearings are needed. Replacements usually cost far less.

822-0148 - Water Pump, without Gear

JON01-35200 - Gear only

JON09-45583 - Repair Kit

510-1234 - Rebuild Kit



Heat Exchanger

Inspect the main heat exchanger by removing the end covers and looking through the tubes with a light. If necessary, flush with water or remove for more detailed cleaning. Projected life in salt water is 2000 hours, but it is impossible to predict exactly due to other variances of conditions such as electrolysis and sand wear. We suggest carrying a spare exchanger after 2000 hours or if cruising in remote areas.



822-0232 - Lehman 135 Exchanger (copper)

822-0239 - Lehman 120 Exchanger (CuNi)

822-0242 - Lehman 90 Exchanger (copper)

822-0240 - Lehman 90 Exchanger (CuNi)



Replace all of your water hoses

Our kit will supply all of the water hoses required on your engine. The hoses are original molded shapes with wire inserts where needed.

510-4216 - Lehman 135, 6 cylinder

510-4214 - Lehman 90, 4 cylinder

Oil Coolers

The most critical oil cooler on your Lehman engine is the Borg Warner transmission cooler. When it develops a leak, seawater will fill the Warner gear, requiring the transmission to be taken apart for proper cleaning and re-sealing. Suggested replacement time is at 1200 hours.

Transmission Oil Coolers

822-0207 - Oil cooler, (copper) SP90 & 135

822-0212 - Oil cooler, (CuNi) SP90 & 135

822-3212 - Oil cooler, (CuNi w/ zinc) SP90 & 135



Engine Oil Coolers

822-0235 - Oil cooler, (copper) SP135

822-0236 - Oil cooler, (CuNi) SP135

822-0233 - Oil cooler, (copper) SP90

822-0238 - Oil cooler, (CuNi) SP90



Motor Mounts

Inspect motor mounts and do a shaft alignment

831-0326 - ADC Mount

L2M32 - Lehman Mount

Exhaust Elbow

Inspect the exhaust elbow for rust as shown on the attached photo. The original L1A397 Elbow was a cast iron part, which rusted from the inside. Remove 3.5" O.D. exhaust hose from the bib. This will allow inspection of the water port and other internal portions of the elbow. The factory changed the material to stainless steel which is now supplied using the same part number.

L1A397 - Exhaust Elbow, 3.5" Bib, hose end

L1c43 - Gasket

844-0856 - Elbow, Water connection

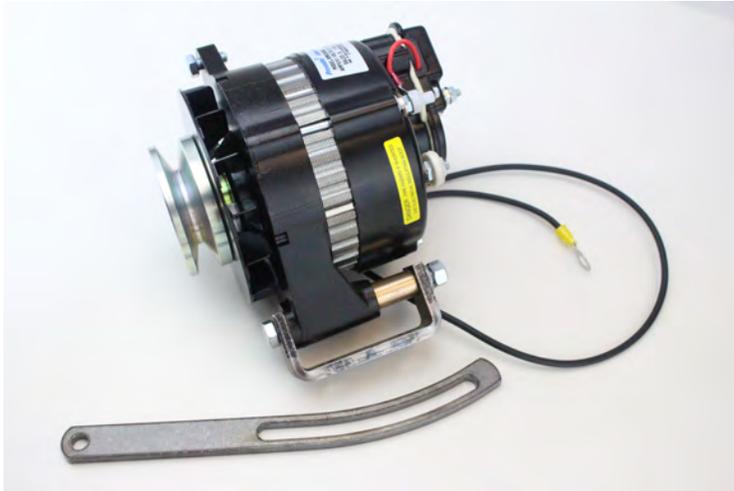


Oil Change Hose Kit

Install our oil drain kit in place of the original oil pan drain plug. This kit makes the chore of removing oil a snap. It pulls all oil from the pan in a matter of minutes, with either a hand or electrical pumps. Ask about our electrical oil change packages, available for permanent installation.



Part Number 510-1020 Oil Drain Kit



Alternator Replacement

Most of the Lehman SP range of engines came equipped with a French Motorola alternator. These units have had a reputation for having poor design, early failure, and expensive repair. Our answer is to replace them with a 65-amp American made Motorola unit, proven for dependability. In making the change, the mounting base, tensioning slide arm, and pulley must be replaced.

**510-0502 - Alternator Kit (SP90 & 135)
w/ hardware 821-0209 Vee Belt**

Drive Damper

Inspect your drive damper if you have more than 2500 hours on the engine. This could be a difficult or easy job depending upon where the rear engine supports are mounted to the engine or transmission. If mounted on the transmission, a means to support the back of the engine must be devised. Contact us for guidance on how to best handle your inspection.

Part Number 830-0007 - Drive Damper (Lehman 90 & 135)



SP Series Owners Manual & Parts Manual

L4C91 Manual