



#### Item Lev. Description Remarks Part No. Quantity 129946-59050 1 -Supply, and Return hose, to fuel tank 2 129946-59550 Fuel Oil Hose 2 2 --3 --124766-59050 Clamp, hose 12 4 4 129946-59040 Hose from Fuel feed pump to Filter 1 129946-59540 Fuel Oil Hose 5 --1 124766-59050 Clamp, hose 12 2 6 --7 -129919-59000 Hose from Fuel Filter to Injection pump 1 Fuel Oil Hose 8 --129919-59020 1 9 --124766-59050 Clamp, hose 12 2 129950-59221 Protector, pipe 15 10 --1 Hose from Injection pump to Fuel Filter 129946-59230 1 11 -12 --129946-59530 Fuel Oil Hose 1 124766-59050 Clamp, hose 12 2 13 --Fuel Injection pump to Fuel Injection nozzle 14 -129919-59010 1 15 --129919-59030 Fuel Oil Hose 1 Clamp, hose 10 16 -124060-77680 2 Fuel Water Seperator O-ring 34mm 17 -24316-000340 1 18 24316-000070 Fuel Water Seperator O-ring 7mm INS-E498BS-BI-0010 Instructions for B20 1 19 -MODELS

4TNE92, 94L, 98



### Installation Instructions

Whenever Bio-fuel of any concentration is used, all of the rubber parts in contact with fuel must be compliant with the fuel used. This kit is compliant with B-20 and lesser concentrations. Refer to service manual for priming the fuel system.

Note: THE FOLLOWING INSTRUCTIONS COVER "GENERAL INSTALLATIONS", IT IS THE END USERS RESPONSIBILITY TO IDENTIFY ALL RUBBER COMPONENTS THAT COME IN CONTACT WITH THE FUEL AND VERIFY B-20 COMPLAIANCE OR REPLACE THEM AS NECESSARY. ITEMS SUCH AS: FUEL COOLERS, TANKS, LEVEL SENDERS, CAPS AND O-RINGS, SECONDARY TANKS, TEES, SHUT-OFF VALVES, FUEL PUMPS, NON YANMAR SUPPLIED

# Replace Supply and Return lines:

- 1. Using the hose clamps provided, replace the fuel supply line from the tank to the Water Seperator [1] using one of the supplied p/n 129946-59050, cut to appropriate length.
- 2. Replace the fuel supply line from the Water Separator to the fuel feed pump [1] using one of the supplied p/n 129946-59050, cut to appropriate length.
- 3. Replace the fuel return line from the filter to the tank [1] using the second supplied p/n 129946-59050, cut to appropriate length, Using the hose clamps provided.
- 4. Replace the fuel line from the feed pump to the filter [4] using p/n 129946-59040, the chart below is provided to help clarify.

If the supplied hoses are not long enough, you may purchase commercially available B-20 compliant bulk hose of the proper size and dia. and cut it to fit

Item	Fuel Contact	Part number
1	From tank to water separator	129946-59050
1	From water separator to fuel feed pump	129946-59050
1	From fuel filter to tank	129946-59050
4	From fuel feed pump to fuel filter	129946-59040

# Replace engine feed and return

- 4. Using the hose clamps provided, install supply fuel line [7], p/n 129919-59000 from the fuel filter to the fuel injection pump, then connect the return fuel line [11] p/n 129946-59230 from the fuel injection pump to the fuel filter.
- 5. Replace the fuel hose [15] p/n 1299196-59010 from Injection pump to the cylinder head, using the hose clamps provided.

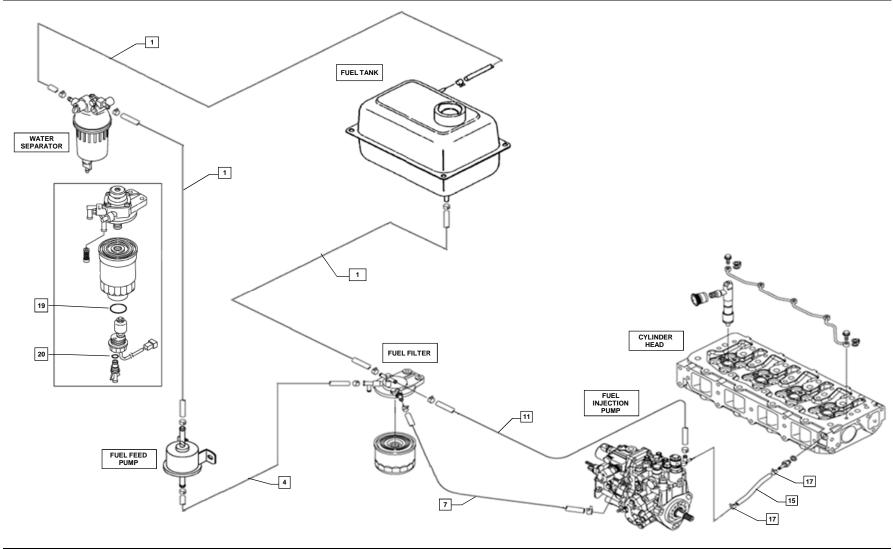
Item	Fuel Contact	Part number
7	From fuel filter to injection pump	129919-59000
11	From injection pump to fuel filter	129946-59230
15	From fuel injection pump to cylinder head	1299196-59010

## Replace seals

6. Remove O-rings [19], and [20] then refer to the diagram, and the Chart below for specific Fuel Filter requirements. Choose the correct O-ring and install in correct position.

Iten	n Fuel Filter PN	O-Ring PN	Size	Tier	Description
19	129901-55800	24316-000340	34mm	m Tier 1	Use 34mm O-ring for Fuel Oil Filter p/n 129901-55800
20	129901-55800	24316-000070	7mm	Hell	Use 7mm O-ring for Fuel Oil Filter p/n 129901-55800





E498BS-BI - B20 KIT INS-E498BS-BI-0010