



YANMAR CO., LTD.  
YANMAR AMERICA CORP.

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

**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.

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

