The reasons of removing the restrictive seal ring in the HGE dry joint manifold installation:

A. Our findings:

1. The small opening of the OEM restricted gasket poses a problem when over a period of time it is very easy clogged up by the rusts and the loosen flakes from the cast manifold (especially when it is cooled by the salt water)
2. As resulted, little or no water can circulate through that section of the manifold
3. The dead end section of the manifold then becoming extremely hot
4. The section of manifold with a full opening gasket remains cool
5. Therefore, the temperature different of the manifold could have of heat crack in the water jacket

B. The original purpose of the restrictive gasket:

1. Serves as to suppress the water flow so that more water retain in the manifold for cooling
2. Especially when the engine is operating in the low RPM, the water pump is not pumping more water for cooling

C. HGE improvement

H&H is improving the life span of our HGE manifold by resolving "the know how knowledge" works inside the manifold cooling, the restrictive gasket is not practical, whereas continue cast a doubt if the restrictive opening had been clogged or not, We therefore remove the restrictive seal ring from our original package and only has two full opening and two block ring seals instead, should someone replace with a restrictive gasket and have a heat crack manifold, H&H reserves her right to decline the warranty.

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