



## J2 TECHNICAL ARTICLE

Number 263

August 28, 1986

From Octagon Heaven

### WATER MANIFOLD

The water manifold has three necks which fit up against the head of the engine and are held in place by three fingers.

The design is very nice as it provides the hot water from the rear of the engine to get to the radiator without having to pass all the way to the front of the engine inside of the water jacket of the engine like most cars do!

These three necks of the water jacket are supposed to have a brass sleeve in side each which acts as a pipe to rest inside of the head and water jacket both thus preventing the water from getting outside on the engine.

Our English suppliers provide a set of three gaskets (rings) to place on the sleeve to provide a seal between the manifold and the head.

These gaskets are about 1/32" thick material with in O.D. of 1 1/4" and an I.D. of 1".

When assembly work was being done, my whole unit seemed to fit so well -- tight and correct -- that I figured that I would not need anything else! Wrong I was for when filling the radiator full of anti-freeze I soon had a dripping action from the center neck area. I tried the tighten the finger more but to no use.

So I did what I should have done in the first place, used some gasket seal with the gaskets and the result was no leak!

Since I was not the only one with this problem, I thought I would insult everyones intelligence and make note of this piece of information that probably only two of us had problems with! Oh, well, it was a nice thought that the assembly did not have to have gasket seal help -- I hate to get my fingers dirty!

