

# Fitting Instructions

**Part Number:** TT1218 & TT1318  
**Description:** Rocker Shaft Spacer Set  
**Application:** TR5-6 (TT1218), Midget 1500 & Spitfire (TT1318)

## Safety First

When working on your engine, all existing components should be inspected for wear and for damage. They should be replaced if there is any doubt as to their condition.

In particular when fitting the rocker spacer set, check studs for pulled threads or damaged and replace as necessary. Check the oil feed hole in the rear pedestal, and ensure this and other pedestals are thoroughly clean.

Moss Europe Ltd accepts no liability whatsoever for damage, loss or injury incurred as a result of using this literature.



The kits include the following components:

Part No.	Description	Qty
<b>TT1218</b>		
AEG168	Distance Piece	1
TT1218A	Spacer	5
TT1018C	Shim	10
<b>TT1318</b>		
AEG168	Distance Piece	1
TT1318A	Spacer	3
TT1018C	Shim	6

## Special Tools & Equipment Required

Feeler Gauge

Loctite

### Associated Products for TT1218

Rocker feed kit (TT1226), rocker shaft & 12 bushed rockers (214559XK)

### Associated Products for TT1318

Rocker feed kit (TT1226), rocker shaft & 8 bushed rockers (144962XK)

## Additional Information:

We have found that some adjustment may be necessary by lateral movement of the pedestals in order that the rockers do not bind up. In some cases the use of 0.010" shims (part No. TT1018C included in the set) is needed to allow the tip of the rocker to be positioned centrally over the valve stem. The shims can be fitted either side of the rocker/spacer as necessary.

We recommend that you build each section bit by bit, and check on the head for binding, shimming as required. This is the easiest way and although it takes some time, it saves a lot of guesswork. You do not need to fit the nuts to the pedestal whilst checking.

Note: The fitting instructions and images below are based on TT1218 for 6 cylinder engines but the steps and principle is the same when fitting TT1318 on 4 cylinder engines.



## Instructions

### 1. Prepare

Check the studs for pulled threads or damage and replace as necessary. Check and clean the rocker pedestals, ensuring the oil feed hole in the rear pedestal is clear.

Note: The stud holes in the rocker pedestals can close up, with the top edge mushrooming after years of being torqued. These should be carefully drilled out – work from the bottom using the hole as a guide.

### 2. Remove Plugs

Remove end plugs from rocker shaft and clean thoroughly. Refit plugs. We recommend using Loctite here. Ensure all the rockers are clean and free of swarf or debris.

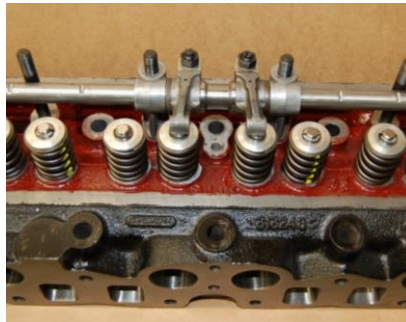
### 3. Assembly of the Rocker Shaft

3.1 – Layout all the pieces in the assembly sequence. We suggest you work from the centre outwards then it is easier to see if you have installed everything correctly. It is helpful to reposition the partially assembled rocker/pedestal assembly on the studs to check the position of its components. The use of a feeler gauge between the rocker and pedestal is a good guide for shimming purposes.

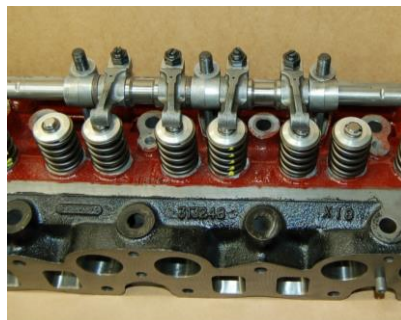


Note: All numbered parts are from the front of the engine (right to left in the photos).

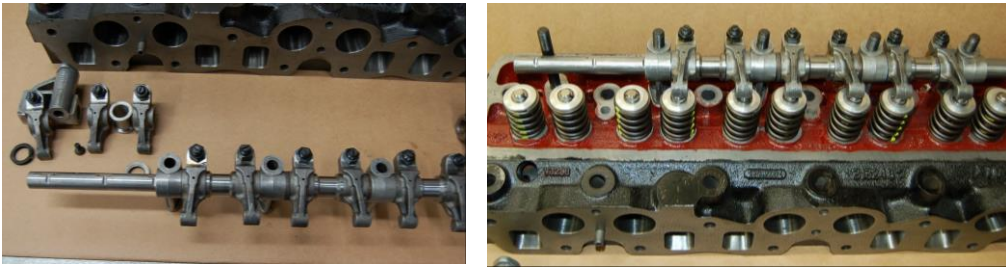
3.2 – Fit pedestal No.4. Install the original washer, then rocker No.7 followed by the new spacer, rocker No.6 followed by the other original washer, then pedestal No.3.



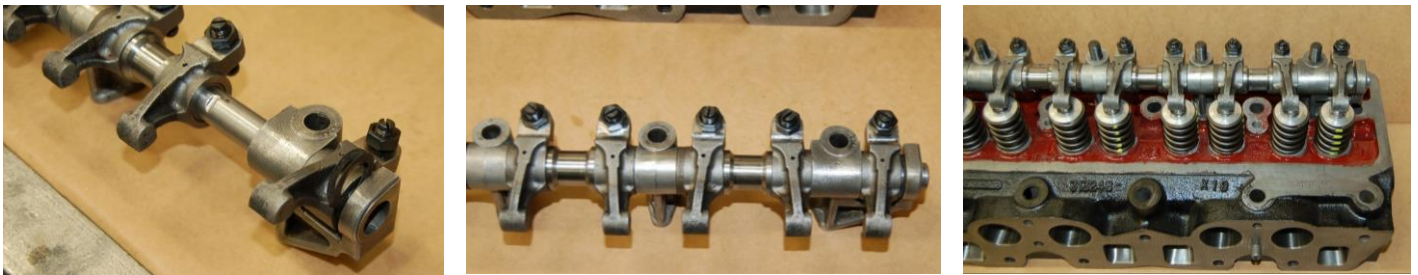
3.3 – Install rocker No.5, new spacer and rocker No.4. There are no original washers used here. Then fit pedestal No.2.



**3.4** – Install rocker No.8, new spacer & rocker No.9. Again, there are no original washers used here. Then fit pedestal No.5.



**3.5** Install the original washer; install rocker No.3, then spacer, then rocker No.2. Install rocker No.1 with Thackeray washer into No.1 pedestal and fit to the shaft.



**3.6** Install the original washer; install rocker No.10, then spacer, then rocker No.11. Install rocker No.12 with Thackeray washer into pedestal No.6.

**3.7** Lining up the screw hole on the rocker shaft to the hole in the pedestal, refit the rocker/pedestal screw with a bit of Loctite.



**3.8** When you are satisfied with the set up, fit the split pin to the front end of the rocker pedestal No.1.

