

Meets ASE Task: A1 - B-3 - P-1



Crack Detection and Cylinder Head Warpage

Name:_____ Date:____ Time on Task:____ Make/Model/Year:______ VIN:_____ Evaluation (Enter number from 4, 3, 2, 1): 1. Clean the cylinder head(s) and visually inspect for damage. 2. Check the cylinder head(s) for cracks. Which method(s) was used? magnetic (Magnafluxing®) _____ dye penetrant (red dye and white powder) _____ fluorescent penetrant (Zyglo®) pressure testing 3. If cracks were detected, what was the solution? replace the head/block stop drilling _____ welding _____ crack plugging _____ other (describe) ______ 4. Use a precision straight edge and a feeler (thickness) gauge to check for warpage, distortion, bend, and twist by checking in five places. 5. Maximum thickness of feeler gauge that could be placed between the straight edge and the head is _____ inches. **OK** _____ **NOT OK** _____ 6. What is the necessary action? ______