

Pistons and Rods Balancing

Meets NATEF Task: (Not specified by NATEF)

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

_____ 1. Recondition all connection rods.

NOTE: Balancing should only be attempted after the rods have been reconditioned.



_____ 2. Weigh all of the pistons.

- | | |
|----------|----------|
| 1. _____ | 5. _____ |
| 2. _____ | 6. _____ |
| 3. _____ | 7. _____ |
| 4. _____ | 8. _____ |

_____ 3. Which is the lightest? _____

_____ 4. Balance the piston weight by grinding material from the piston balance pads or pin boss pads to match the lightest piston.

All pistons are now within _____ grams **OK** _____ **NOT OK** _____

_____ 5. Weigh all the rods. (small end/big end)

- | | |
|------------------|------------------|
| 1. _____ / _____ | 5. _____ / _____ |
| 2. _____ / _____ | 6. _____ / _____ |
| 3. _____ / _____ | 7. _____ / _____ |
| 4. _____ / _____ | 8. _____ / _____ |

_____ 6. Grind material from the balancing pad(s) to match the weight of all the connecting rods to match the lightest. All rods are within _____ grams.

OK _____ **NOT OK** _____

