## NATEF TASK SHEET --- SECTION A6 A9 P-1

## A6 A9 : Check Electrical/Electronic Circuit Waveforms

| Student:      |   |   | _ Date: | Period: _  |                        |  |  |
|---------------|---|---|---------|--|------------------------|--|--|
| VIN:          |   | Year:   | Make:   | Mode   | :                      |  |  |
| Engine:       | Т   | ransmission:  | Prod    | uction Date:   |                        |  |  |
| OBJECTIVE:    | Student will Check electrical/electronic circuit waveforms, specifically wheel speed sensors (WSS); interpret readings and determine needed repairs.  |   |         |  |                        |  |  |
| MATERIALS:    | 2. AE<br>3. Ho<br>4. Pe   | YE PROTECTION  BS Scan Tool  bist  erson w/ driver's lehicle (see instruc | 0 10 20 | ASSESSED ASS | sensor Research        |  |  |
| PROCEDURE:    | WEAR EYE PROTECTION! Raise vehicle on rack about 18" off floor and set parking brake. Turn ignition key on (engine off) and connect scan tool selecting the Anti-Lock Braking (ABS) system. Choose manual selection mode and check boxes for all four wheel-sensors in graphing mode. Show instructor. Instructor initials. X |   |         |  |                        |  |  |
| <b>D</b> ата: | LOOK UP YOUR VEHICLE IN ALL-DATA AND FIND OUT HOW THE WSS GRAPHS SHOULD APPEAR.   |   |         |  |                        |  |  |
|               | How do your graphs compare?   |   |         |  |                        |  |  |
|               | ARE THE SPEED SENSORS WORKING PROPERLY?   |   |         |  |                        |  |  |
|               |   |   |         |  | Instructors Evaluation |  |  |

| LEVEL OF SKILL ATTAINED     | Initial | OVERALL SKILL EVALUATION       | Points |  |  |  |
|-----------------------------|---------|--------------------------------|--------|--|--|--|
| DEMONSTRATES MASTERY (5)    |         | DOCUMENTATION COMPLETENESS (1) |        |  |  |  |
| PERFORMS SATISFACTORILY (4) |         | SAFETY COMPLIANCE (1)          |        |  |  |  |
| CAPABLE, NEEDS PRACTICE (3) |         | Work Professionalism (3)       |        |  |  |  |
| Assisted in Performing (2)  |         | LEVEL OF SKILL ATTAINED (1-5)  |        |  |  |  |
| EXPOSURE, OBSERVATION (1)   |         | TOTAL SCORE                    |        |  |  |  |
| Instructor's Signature:     |         |                                |        |  |  |  |