

ATTACHMENT D7

SUPPLEMENTAL FORM

Form Approved O.M.B. No. 2127-0626
Expiration Date: XXXX



United States Department of Transportation
National Highway Traffic Safety Administration

(02/26/10 Draft)

National Automotive Sampling System
Tire Pressure Monitoring System – Special Study

[Interviewer to Fill in]

1. Primary Sampling Unit Number ___ ___
2. Site Number _____
3. Observation Number ___ ___
4. Date of Observation ___ ___ / ___ ___ / 2010
5. SUP ID _____

[Questions on TPMS Low Pressure Warning]

6. Some TPMS have both a warning lamp to indicate low tire pressure and a malfunction lamp to indicate the TPMS is not working properly. Other TPMS have a combined warning and malfunction lamp. Does your TPMS have a:
 - 1) Warning Lamp No Yes Don't Know
 - 2) Malfunction Lamp No Yes Don't Know
 - 3) Combined Warning and Malfunction Lamp
 No Yes Don't Know

IF RESPONSE TO QUESTION #6.1 or 6.3 IS "YES",
CONTINUE; IF NOT, SKIP TO QUESTION #15

7. Do you know where your TPMS warning (combined) lamp is located? If yes, where? (Check one)
 - 1) No
 - 2) Yes, on instrument panel
 - 3) Yes, on rearview mirror
 - 4) Yes, roof console
 - 5) Yes, other (specify) _____
8. Has your TPMS warning (combined) lamp ever illuminated except during engine on/off cycles? If yes, how many times?
 - 1) No
 - 2) Yes, ___ ___ (Code approx. number of times)
 - 3) Yes, don't know how many times.
 - 4) Don't know if illuminated

IF RESPONSE TO QUESTION #8 IS "YES", CONTINUE;
IF NOT, SKIP TO QUESTION #15

9. When was the last time the warning (combined) lamp illuminated on this vehicle?
 - 1) Within the past month
 - 2) 1-3 months ago
 - 3) 4 or more months ago
 - 4) Continuously/repetitively
 - 5) Don't know

10. What actions did you take the last time the TPMS warning (combined) lamp illuminated? (Check all that apply)

- 1) Checked tire pressure
- 2) Reset the TPMS
- 3) Took vehicle to the dealer or a service facility
- 4) Added air
- 5) Did nothing *Skip to #14*
- 6) Other (specify) _____

11. How long after you first noticed the lamp illuminated, did you take action?

- 1) During the same trip (e.g., pulled over)
- 2) Later the same day or within several days
- 3) One or more weeks after

12. Did any of the tires need air? If yes, how many?

- 1) No
- 2) Yes, _____ (Code number of tires)
- 3) Yes, don't know how many tires.
- 4) Don't know if any of tires needed air.

IF RESPONSE TO QUESTION #12 IS "YES", CONTINUE; IF NOT, SKIP TO QUESTION #14

13. Approximately how much air was needed in each tire? (Estimate on average if multiple tires needed air)

- 1) Less than 5 PSI
- 2) 5 to 10 PSI
- 3) 10 to 15 PSI
- 4) More than 15 PSI
- 5) Don't know

14. Have you or someone else checked the vehicle because the warning (combined) lamp was not working correctly? If yes, what was found to be the reason? (Check all that apply)

- 1) No, did not check it
- 2) Yes, needed re-set
- 3) Yes, sensors or other part in the tire not working
- 4) Yes, batteries needed to be changed
- 5) Yes, light bulb needed to be replaced
- 6) Yes, general problem with TPMS system
- 7) Yes, don't know
- 8) Yes, other (specify) _____

15. Do you know how to reset (calibrate) your TPMS?

If yes, how do you do it? (Check one)

- 1) No
- 2) Yes, use button in vehicle
- 3) Yes, follow menu on display
- 4) Yes, only dealer/service station can do it
- 5) Yes, other (specify) _____

16. When should your TPMS be reset? (Check all that apply)

- 1) Never
- 2) When the tire pressure is checked
- 3) When the tire pressure is changed
- 4) When a tire is changed
- 5) When the tires are rotated
- 6) Don't know

Paperwork Reduction Act Burden Statement

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7) Other (specify) _____

17. How easy or difficult is it to reset your TPMS?

- 1) Very easy
- 2) Somewhat easy
- 3) Somewhat difficult
- 4) Very difficult
- 5) Don't know

18. To what extent do you rely on your TPMS to tell you when your tires need air? (Check one)

- 1) Rely fully on the TPMS
- 2) Rely on TPMS, but also use other methods
- 3) Don't rely on TPMS, only use other methods

[Questions on TPMS Malfunction Warning]

IF RESPONSE TO QUESTION #6.2 WAS "YES", CONTINUE; IF NOT, END INTERVIEW

19. Do you know where your TPMS malfunction lamp is located? If yes, where? (Check one)

- 1) No
- 2) Yes, on instrument panel
- 3) Yes, on rearview mirror
- 4) Yes, roof console
- 5) Yes, other (specify) _____

IF RESPONSE TO QUESTION #19 IS "YES", CONTINUE; IF NOT, END INTERVIEW

20. Has your TPMS malfunction lamp ever illuminated, except during engine on/off cycles? If yes, how many times?

- 1) No
- 2) Yes, ____ (Code approx. number of times)
- 3) Yes, don't know how many times.
- 4) Don't know if illuminated

IF RESPONSE TO QUESTION #20 IS "YES", CONTINUE; IF NOT, END INTERVIEW

21. When was the last time the malfunction lamp illuminated on this vehicle?

- 1) Within the past month
- 2) 1-2 months ago
- 3) 3-4 months ago
- 4) More than 4 months ago
- 5) Continuously/repetitively
- 6) Don't know

22. What actions did you take the last time the TPMS malfunction lamp illuminated? (Check all that apply)

- 1) Did nothing-it often illuminates
- 2) Did nothing-other reasons
- 3) Reset the TPMS
- 4) Took vehicle to the dealer or a service facility
- 5) Self or others worked on vehicle
- 6) Other (specify) _____

[Questions on TPMS Service]

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23. Have you or someone else checked the vehicle because the malfunction lamp was not working correctly? If yes, what was found to be the reason? (Check all that apply)

- 1) No, did not check it
- 2) Yes, needed re-set
- 3) Yes, sensors or other part in the tire not working
- 4) Yes, batteries needed to be changed
- 5) Yes, light bulb needed to be replaced
- 6) Yes, general problem with TPMS system
- 7) Yes, don't know
- 8) Yes, other (specify) _____

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