FO RD:
2011-2015 Explorer

This article supersedes TSB 14-04-NA and 14-14-NA to update the service procedure and parts.

ISSUE:
Some 2011-2015 Explorer vehicles may exhibit an exhaust odor in the vehicle while the climate control system is in auto or recirculation mode. This may be more pronounced after hard acceleration, driving in hilly conditions and/or towing a trailer. Customers may indicate the odor smells like sulfur.
NOTE: This procedure should be used only for vehicles which involve a customer complaint of exhaust odor and/or exhaust odor verified through a road test by a Ford trained technician. The odor concern is affected by many factors, including road conditions, driving style, climate, HVAC settings, trailer towing, and the particular customer's sensitivity to odor. Most customers have not complained of this exhaust odor problem. There are trade-offs associated with this TSB procedure, and those trade-offs could lead to complaints of increased noise from exhaust air rush.

ACTION
Follow the Service Procedure steps to correct the condition.
SERVICE PROCEDURE
1. Remove the rear lip moldings (vehicles built prior to February 1, 2013 only) and remove bumper cover. Refer to Workshop Manual (WSM), Section 501-19.
2. Replace the left side rear air extractor. (Figure 1)

Figure 1 - Article 14-16-NA

 Online Publication Date October 31, 2014

EXPLORER EXHAUST ODOR IN VEHICLE

TSB 14-16-NA

3. Open the liftgate and install a new drain valve in each of the two (2) drain holes on the left and right side of the liftgate. Apply a slight amount of sealant on the drain valves used in the liftgate drain holes to keep them from coming loose. (Figure 2)

Figure 2 – Article 14-16-NA

4. Raise vehicle on hoist. Refer to WSM, Section 100-02.

5. Lower and support rear section of the exhaust system.

6. Clean areas on underside of vehicle where seam sealer will be applied. (Figures 3-5 below)

Figure 3 – Article 14-16-NA

Figure 4 Article – 14-16-NA

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Continued Continued

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Figure 5 – Article 14-16-NA

7. Cover the exhaust system and auxiliary climate control drain to prevent the seam sealer from getting on these parts or clogging the drain during sealer application.
8. Apply a generous amount of Motorcraft Seam Sealer to rear horizontal sheet metal lap joints on left and right sides of the vehicle, and the rear sheet metal overlap flange across the rear of the vehicle. Make sure the sealant has sealed the openings and remove if any excessive sealant applied. (Figures 3-5 above)
9. Spray generous amount of 3M Rubberized Undercoating around auxiliary air conditioning lines and seam sealer areas. (Figure 6)

Figure 6 – Article 14-16-NA

10. Allow seam sealer to dry. (May take up to 20 minutes)
11. Perform a pressure test and confirm there is no leak in the rear side of the vehicle.

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Pressure Test Procedure
a. Using masking tape, seal the rear air extractors and areas marked in red. Do not need to mask the rear lip molding for vehicle that do not have the rear lip molding removed (Figure 7-8)

Figure 7 – Article 14-16-NA

Figure 8 – Article 14-16-NA

b. Start vehicle, set A/C to fresh air mode and set blower speed to max.

c. Close all doors and ensure windows are fully closed.

d. Use soapy water in a spray bottle to help locate air leaks.

e. Spray around the following areas:
v Under body seams
v Underbody rubber grommet (Figure 10)
v Rear wheel well seams
v Rear tail light seams
v Rear deck lid seals
v Side panel glass seals
v License plate area

f. Air leaks can be identified by the presence of air bubbles.

g. Mark all areas identified to have air leaks. Common areas shown below. (Figure 9-12)

Figure 9 – Article 14-16-NA

Figure 10 – Article 14-16-NA

Figure 11 – Article 14-16-NA

Figure 12 – Article 14-16-NA

TSB 14-16-NA Continued

h. Turn off A/C

i. Turn off vehicle

j. Clean and dry all areas marked earlier

k. Seal using Motorcraft seam sealer

l. Allow sealant to dry and retest (May take up to 20 minutes)

m. Remove the masking tape used in step (a) of the pressure test

12. Spray Wurth Gravel Throw And Underbody Protection over the sealant applied areas for better appearance. (underbody only)

13. Install rear bumper cover. Refer to WSM, Section 501-19.

14. Install the left hand and right hand rear lip moldings. Refer to WSM, Section 501-08. Vehicles built prior to February 1, 2013 replace the wheel lip molding with revised part.

15. Using a suitable exhaust cutting tool, remove the existing tailpipe/tip 5mm (.19 inches) to the rear of the factory weld as shown. Be careful not to cut or damage the exhaust hanger bracket. (Figure 13-14)

Figure 13 – Article 14-16-NA

Figure 14 – Article 14-16-NA

16. Remove the existing exhaust tip. Grind down enough of the original weld to remove the rest of the exhaust tip that was left over in the muffler. Remove any remaining sharp edges and/or burrs produced during the cutting process. (Figure 15-16).

TSB 14-16-NA Continued

Figure 15- Article 14-16-NA

Figure 16 – Article 14-16-NA

17. Reinstall the rear exhaust system.

18. Visually inspect the new tip's relative relationship with the rear bumper fascia to resemble the current product. Make sure to check symmetry between the two tips and bumper before tack welding.

19. Install the new exhaust tip, butt up against the muffler, and tack weld into place. (Figure 17-18)

Figure 17 - Article 14-16-NA

Figure 18 – Article 14-16-NA

20. Once the tips are located properly, finish welding around the entire exhaust-tip joint, and grind smooth the weld. NOTE: It will be necessary to drop the exhaust hanger on each side to completely weld the entire diameter. Reinstall back the rear exhaust system. (Figures 19-22)

Figure 19 – Article 14-16-NA

Figure 20 – Article 14-16-NA

TSB 14-16-NA Continued

Figure 21 – Article 14-16-NA

Figure 22 – Article 14-16-NA

Obtain Parts Locally

Part Number

Part Name

08882 3M Rubberized Undercoating
Wurth 0892 075 250 Wurth Gravel Throw And Underbody Protection

PART NUMBER

PART NAME

Obtain locally sourced part Exhaust Tip (2 required)
BB5Z-61280B62-B Dual Rate Air Extractor (1 required)

BB5Z-7829164-AA Wheel Lip Molding Right Hand
(Vehicles built prior to February 1, 2013 only)

BB5Z-7829165-AA Wheel Lip Molding Left Hand
(Vehicles built prior to February 1, 2013 only)
4M8Z-54280B62-A Valve Assembly Auto Drain
TA-2

Motorcraft Seam sealer
TSB 14-16-NA Continued

Dealer Coding
BASIC PART NO.

CONDITION CODE

54280B62 07

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage
Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.
OPERATION

DESCRIPTION

TIME

2011-2015 Explorer: Seal Body Includes Time To Replace Air Extractors, Replace Both Rear Fender Moldings, and Install Liftgate Drain Valves (Do Not Use With Any Other Labor Operations)
1.9 Hrs.

2011-2015 Explorer: Perform Pressure Test To Identify And Mark Any Further Leak Areas
0.7 Hrs.

2011-2015 Explorer: Seal Additional Identified Leak Areas (If Any)
0.2 Hrs.

2011-2015 Explorer: Install New Exhaust Tip

1.8 Hrs.
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