

JOB CARD

Vehicle Model		Reported Customer Concern			
2017 XE R-Sport		Lane Departure Warning not available			
Vehicle Symptoms					
Area of Concern/Possible Causes					
Diagnostic Route / Tests					
Step	Description	Result	Fault Identified? (Y/N)		
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
Conclusion / Recommendations					

Activity – Parking Aid Sensors**INSTRUCTION**

Answer the following Parking Aid Proximity Camera questions.

QUESTION 1

How many PARKING AID sensors are fitted to the vehicle, and where are they located?

QUESTION 2

How many PARK ASSIST sensors are fitted to the vehicle, and where are they located?

QUESTION 3

Use the Touch Screen to identify the main park assistance options that are available; record them below.

QUESTION 4

Identify the proximity camera locations; record them below.

QUESTION 5

Using the Touch Screen, identify each of the camera views that are available; record them below.

QUESTION 6

While in camera mode, press the SETTINGS button > select CAMERA SETTINGS and adjust default view setting to 360° camera view. With the parking brake set and wheels chocked, place the car in reverse. Has the reverse camera view changed? If so, describe how.

QUESTION 7

Is it possible to confirm whether a park aid sensor is operating without using diagnostic equipment? If so how?

Activity – Parking Aid Sensors

QUESTION 8

What type of diagnostic equipment can be used to diagnose a faulty parking aid sensor without having to remove components?

QUESTION 9

Access the SDD Datalogger from Measurement Applications. From which section can the Parking Aid signals be viewed from?

INSTRUCTION

Select the following parking aid sensor signals and select the Bar Graph viewing option.

- Rear Left Center Distance
- Rear Left Corner Distance
- Rear Right Center Distance
- Rear Right Corner Distance

QUESTION 10

With the ignition on, engine off and no obstructions behind the vehicle, start the Datalogger. What distance is displayed?

QUESTION 11

What does the measured distance reading indicate?

QUESTION 12

Slowly move an obstruction towards a sensor. What does the measured distance reading show?

QUESTION 13

Does the sounder operate?

QUESTION 14

Start the engine and repeat the instruction in Question 12. Does the sounder operate?

QUESTION 15

With the parking brake set and the wheels chocked, place the vehicle in reverse and repeat the instruction in Question 12. Does the sounder operate?

QUESTION 16

While observing the Datalogger bar graph and listening to the sounder, completely block a sensor. How did the measured distance reading and sounder respond?

QUESTION 17

What does this response indicate about how the Park Aid system reacts to a blocked sensor?

QUESTION 18

Do the remaining sensors still respond on Datalogger with one sensor blocked?