

Reference	SSM71838
Models	XF / X250
Title	XF Diagnostic process for Day Night Mode Activation and Illumination Adjustment
Category	Electrical
Last modified	14-May-2014 00:00:00
Symptom	204000 Instrumentation
Content	<p><b>Issue:-</b>  Customers have reported that the dimming of interior illumination, manual adjustment of illumination and night time mode switching of satellite navigation does not function correctly.</p> <p><b>Cause:-</b>  The functionality of the instrument illumination system and day night mode switching is not fully understood.</p> <p><b>Indication of failure</b>  Interior Illumination fails to function in the expected manner.</p> <p><b>Action:-</b>  The following methods can be used to determine if the interior illumination dimming and night mode switching of the satellite navigation are working correctly:</p> <p><b>In all of the following tests the vehicle headlamps must be switched on.</b></p> <p><b>Interior Illumination Dimming</b>  With the headlights on, cover the sun load sensor/PATS light at the front of the dashboard so no light is let through. The interior illumination and touch screen should then dim after 20-30 seconds. The functionality of the dimmer dial switch on the auxiliary light switch pack will then also be enabled. Test interior dimming level by operating this dial across its full range of travel.</p> <p><b>Satellite Navigation Night Mode (Navigation must be selected and night mode switching enabled in the navigation settings menu before carrying out this test)</b>  With the headlights on and the sun load sensor covered as detailed above, cover the front audio panel so no light is able to enter the sensor located in the middle of the audio panel. After 30-60 seconds the satellite navigation screen will switch to night mode. Uncovering <b>BOTH</b> the sun load sensor and the audio panel sensor will enable switching back to day mode after 15-30 seconds.</p> <p>Note: The manual adjustment of interior dimming via the dial on the auxiliary switch pack does not work in isolation. It only works in conjunction with the sun load sensor, as noted below. The Rain/Headlamp Sensor has no input on interior illumination settings.</p>