



E0008 E40 Stabilizer Down Diode Safety System Retrofit System

E0008	Version 1	Electricals	17 Aug 04
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Refer to;

Parts list EL-33093

Drawing S7-33032 Sheets 1&2, Modification to E40 Stabiliser Housing

Drawing S7-33046 Sensor Mounting Barrel

Drawing SB6969-86 Electrical Schematic

1. Drill one Ø25mm + three M5 holes in positions shown on S7-33032, in each stabiliser housing
2. Extend the sensor cable if required using small solder sleeves (RS 157-2972)
3. Install the Proximity Sensor in the barrel housing (without 90° elbow or gland). Using the SICK sensor testing device and 3mm sensing distance setting tool, set the proximity sensor extension. Apply Loctite 222 and install the locknut. Install the 90° elbow and gland. Install the M5 SHCS.
4. Check that the tip of the proximity sensor is not protruding beyond the stabiliser housing. (the sensor has a 4mm range, so it should be 1mm recessed)
5. Install the conduit
6. Install contact blocks into module junction boxes as per Picture 1, install block/relay assembly into main control cabinet.
7. Test the system logic.

System Logic	Warning Buzzer And Light	New Hella Relay (no)	New 4 Pole Relay (no)	Top Arm Up	Top Arm Down	Bottom Arm Up	Bottom Arm Down
Both stabilisers touching the ground	No	Open	Closed (diodes bypassed)	Yes	Yes	Yes	Yes
Either or both stabilisers off the ground	Yes	Closed	Open (diodes Active)	No	Yes	Yes	No