



## E0009 SB360/SB300/SB330 Diode Safety Retrofit System

E0009	Version 2	Electricals	9 Dec 03
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Refer to;

For SB360 use Parts List EL-33168, for SB330 use Parts List EL-33176

Drawing EL-33136 Electrical Schematic

Drawing S6-33170 Modification to SB360 Stabiliser Housing

Drawing S3-33171 Modification to SB300/330 Stabiliser Housing

1. Drill the holes as per drawing S6-33170 or S3-33171
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 2mm sensing distance setting tool (EL-33172), 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 2mm recessed)
5. Install the conduit
6. Install the additional contact blocks into module junction boxes, 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