

GENERAL ELECTRIC

- TYPICAL -

Q.T.A.
4-23-82

FDI NO. 138-57434
 REVISION 0
 SHEET 1 OF 1

FIELD DISPOSITION INSTRUCTION

PROJECT LaSalle UNIT 1
 EQUIPMENT MSS SRV IMF-2 SOLENOID PILOT ASSY (CROSBY)
 MPL NO. B21-F013

DATE OF ISSUE
 ISSUED BY PD & RC
 DATE 4-26-82 JS
 ECN/IR/DDR/FDDR
N/A

DESCRIPTION OF TASK

1. PURPOSE

The Crosby Safety Relief Valve (SRV) solenoid IMF-2 is to be installed on all 18 SRVs (54 total solenoids). Crosby will supply field service personnel to supervise installation - ref. MR #YC593 Rev. 0.

2. REQUIRED DOCUMENTS

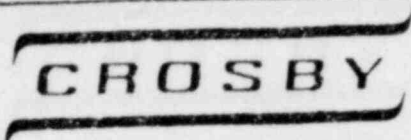
None. Crosby field service will deliver the GE approved Installation Instructions.

3. All IMF-2 equipment is pre-shipped to Site. "O" rings and lubricant will be hand carried by Field Service Rep.

4. Procedure is contained in 2 above. G.E. QC to observe at least on an audit basis. The removed solenoids are to be kept by Site or returned to G.E. San Jose.

8207210203 820713
 PDR TOPRP EMVGENE
 C PDR

APPROVALS <u>[Signature]</u> 4-22-82 ORIGINATOR <u>[Signature]</u> 4/24/82 DATE NA MATL APPL ENGR <u>[Signature]</u> 4/20/82 ENGR MGR <u>[Signature]</u> 4/27/82 RESPONSIBLE ENGR <u>[Signature]</u> 4/23/82 PROJECT MGR		APPROVALS <u>[Signature]</u> 4/22/82 DATE _____ DATE _____ DATE		THIS EQUIPMENT IS SAFETY RELATED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO SAFETY FUNCTION IS AFFECTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO FIELD WORK ORDER NO. _____ COMPLETION RECD REQUIRED BY R. E. YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
DISTRIBUTION CODE INTERNAL _____ EXTERNAL _____		FDI TASK COMPLETED _____ DATE _____ SITE QUALITY CONTROL _____ FIELD MANAGER _____			



CROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS.

ENGINEERING PROCEDURE

TITLE: INSTALLATION INSTRUCTION
for
Crosby IMF-2 Solenoid Pilot Valves

GENERAL ELECTRIC
NUCLEAR ENERGY BUSINESS GROUP

J. Brunton 4/27/82
APPROVED DATE

6114-68-1
VPF NO.

D820296
TRANSMITTAL NO.

PRINTS TO	

W. D. Greenlaw

APPROVAL - W. D. Greenlaw 4/21/82

DIRECTOR OF ENGINEERING DATE
CROSBY VALVE & GAGE COMPANY

	NAME	TITLE	SIGNATURE	DATE
PREPARED BY	D. Olmsted	Asse. Proj. Engineer	<i>D. Olmsted</i>	April 21, 1982
APPROVED BY	L. Thompson	Prin. Engineer	<i>L. Thompson</i>	April 21, 1982
APPROVED BY	J. J. Greene	QA Manager	<i>J. J. Greene</i>	April 21, 1982
APPROVED BY				

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1. Scope

This procedure is to be followed for all field installations of Crosby IMF-2 Solenoid Pilot Valves manufactured to QAP-3325 on the Crosby HB Dual Function Safety Relief Valve Actuators.

2. Reference

- 2.1 Crosby Quality Assurance Plan QAP-3325.
- 2.2 Crosby Data Sheet DS-A-63790, Sheet 4 of 4.
- 2.3 Crosby Data Sheet DS-C-66181.

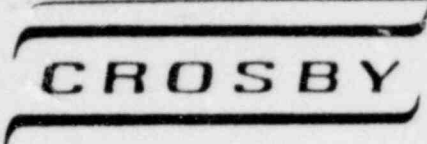
3. Handling and Cleaning

- 3.1 The pilots should remain in the protective plastic bag until ready for installation. Particular care should be exercised to avoid damage to the "O"-Ring sealing surface ("O"-Ring No's 10 and 23 on DS-A-63790).
- 3.2 After removal from the plastic bag, the sealing surface should be wiped clean with a soft, lint free cloth, using Isopropyl alcohol if necessary. Care must be taken to avoid any contamination of the pilot pneumatic feed holes on the sealing surface or the pilot vent hole in the top cover (Pc. No. 9 on DS-C-66181).
- 3.3 The protective plastic cap on the connector (Pc. No. 36 on DS-A-63790) should remain in place until the cable end connector is installed.

4. Removal of Existing Pilots

- 4.1 Bend down the tabs on all pilot mounting screw locktabs (No. 14 on DS-A-63790, four (4) per pilot) until flat on the pilot back surface.
- 4.2 Remove the four (4) mounting screws (Pc. No. 40 on DS-A-63790) and locktabs while holding the pilot in place.
- 4.3 Remove the pilot from the main valve by first sliding sideways to ensure that the two (2) "O"-Rings remain in place and then pulling straight out.
- 4.4 Remove, clean and inspect the "O"-Rings for reuse. If the "O"-Rings are damaged or have taken a permanent set, they must be replaced.
- 4.5 Inspect and wipe clean if necessary, the main valve "O"-Ring seating surfaces.

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4. Removal of Existing Pilots (Continued)

4.5 (Continued)

CAUTION

DO NOT PUSH ON THE PISTON POPPET (PC. 19 ON DS-A-63790)

4.6 Insert and clean the mounting screws and locktabs.

5. Installation of New Pilots

5.1 Lightly lubricate the two (2) "O"-Rings with Parker Super-O-Lube and position them on the main valve cartridge assembly. Wipe off any excess O-Lube.

5.2 Lightly lubricate the mounting screw threads with "Never-Seez" and place the screws and locktab washers in the four (4) mounting holes in the IMF-2 Pilot. The locktabs should have the long tab present to fit the edge of the pilot as shown on DS-A-63790.

5.3 Place the pilot onto the main valve so that the screws are aligned, and hand tighten all four (4) screws. Care must be taken to avoid excess side to side slippage or separation of the sealing surfaces to ensure the the "O"-Rings remain properly positioned.

5.4 Torque the mounting screws to 120 inch-pounds using standard torquing techniques.

5.5 Bend up one (1) tab of each locktab washer until flush with one (1) flat on the hex head mounting screw, taking care not to damage the aluminum pilot block surface.

6. Records

A record shall be made by the installing personnel of the IMF-2 serial numbers and the actuator and valve serial number upon which each pilot is installed and this record shall be included in the Field Service Report.

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CROSBY

CROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

<u>DATE</u>	<u>REASON FOR REVISION</u>	<u>CUSTOMER APPROVAL</u>
4/21/82		

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