



FOR ALL BOLTS ATTACHED TO MOUNTING BRACKETS W/ G10 INSULATOR. ADD TEFLON TAPE TO INSULATE BOLT FROM TOUCHING BRACKETS.

- NOTES:
- HARDWARE TO EXHIBITE MAGNETIC PERMEABILITY LESS THAN 1.05
 - A286 MATERIAL YIELD GREATER THAN OR EQUAL TO 180 KSI FOR BOLTS.
 - BOTH SPRING WASHERS TO BE CUPPED CONVEXED UNDER NUTS "C" AND TIGHTENED TO FLAT FOR MINIMUM PRE LOAD FORCE OF 5,800 LBS.

PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY	RECD
21	SE133-087	TRIM COIL BRACKET #5, LOWER RIGHT	INCONEL 625	1	
20	SE133-086	TRIM COIL BRACKET #5, LOWER LEFT	INCONEL 625	1	
19	SE133-085	TRIM COIL BRACKET #5, UPPER RIGHT	INCONEL 625	1	
18	SE133-084	TRIM COIL BRACKET #5, UPPER LEFT	INCONEL 625	1	
17	SE133-073	TRIM COIL WIRE #2	12 GAUGE WIRE	1	
16	SE133-072	TRIM COIL WIRE #1	12 GAUGE WIRE	1	
15	SE133-071	COIL TO WIRE CONNECTOR	SILICON BRONZE (DURIUM)	2	
14	SE133-070	COVER, COIL CONNECTION HOUSING	G10	1	
13	SE133-069	COIL CONNECTION HOUSING	G10	1	
12	SE133-068-5	INSULATOR #5	G10	1	
11	SE133-068-4	INSULATOR #4	G10	1	
10	SE133-068-3	INSULATOR #3	G10	2	
9	SE133-068-1	INSULATOR #1	G10	14	
8	SE133-067-01	TRIM COIL, #5 WELDMENT	SEE DETAILS	1	
7	SE133-031	TRIM COIL #1 GROUND-WRAPPED ASSEMBLY	COPPER/EPOXY	1	
6	NS151378	3/8 FLAT WASHER, STANDARD	ALLOY A-286	8	
5	NS151377	3/8 FLAT WASHER, HEAVY	ALLOY A-286	60	
4	NS150280	3/8-16 UNC HEAVY HEX NUT	ALLOY A-286	29	
3	NS150176	3/8-16 UNC x 2 1/4 BOLT, HEX HEAD	ALLOY A-286	26	
2	NS150175	3/8-16 UNC x 1 3/4 BOLT, HEX HEAD	ALLOY A-286	2	
1	6EH89718.	3/8 DISC SPRING 2900 LBS (P max) SOLON MANUFACTURING	INCONEL	60	

PARTS LIST		CENTRAL FILES:		PRINCETON PLASMA PHYSICS LABORATORY	
COMPUTER GENERATED DRAWING	MANUAL CHANGES NOT PERMITTED	UNLESS OTHERWISE SPECIFIED		NATIONAL COMPACT STELLARATOR EXPERIMENT	
WEIGHT	240.1 lbs	Pro E	DIMENSIONS ARE IN INCHES	STELLARATOR CORE TRIM COILS	
MODEL NAME	SE133-062	DO NOT VERIFY INFORMATION BY SCALING DRAWING	MACHINE SURFACES	TRIM COIL, #5 ASSEMBLY	
WELDING ENGINEER		BREAK SHARP EDGES .005/.020	TOLERANCES NON-CUMULATIVE	DSN: R. UPKAVAGE	6/9/08
		DECIMAL-INCH FRACTIONS	CHK: M. KALISH	6/9/08	DRAWING NO:
		NEXT ASSEMBLY	ENGR: M. KALISH	6/9/08	SE133-062
			SUPV: J. SIEGEL	6/9/08	SHEET 1 OF 1
					REV 0

RELEASE LEVEL: Fabrication
DWG VERSION NO: 21

NCSX-SE133-062

NCSX-ASSY-FORMAT.E