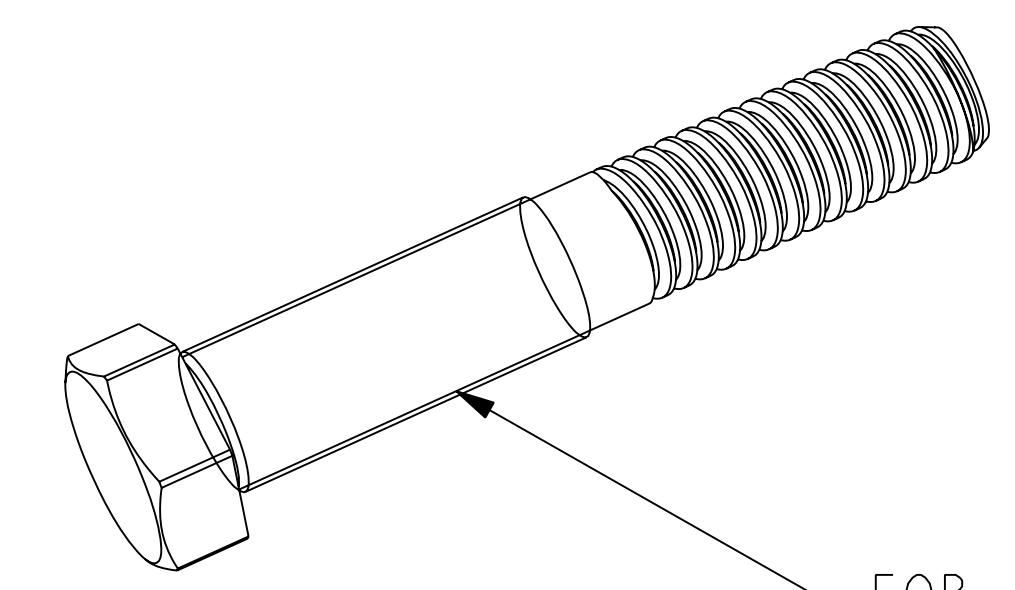


NOTES:
 1. HARDWARE TO EXHIBITE MAGNETIC PERMEABILITY LESS THAN 1.05
 2. A286 MATERIAL YIELD GREATER THAN OR EQUAL TO 180 KSI FOR BOLTS.
 3. BOTH SPRING WASHERS TO BE CUPPED CONVEXED UNDER NUTS "C" AND TIGHTENED TO FLAT FOR MINIMUM PRE LOAD FORCE OF 5,800 LBS.

PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY	RECD
20	SE133-078	TRIM COIL BRACKET #2, LOWER RIGHT	INCONEL 625	1	
19	SE133-077	TRIM COIL BRACKET #2, LOWER LEFT	INCONEL 625	1	
18	SE133-076	TRIM COIL BRACKET #2, UPPER RIGHT	INCONEL 625	1	
17	SE133-075	TRIM COIL BRACKET #2, UPPER LEFT	INCONEL 625	1	
16	SE133-073	TRIM COIL WIRE #2	12 GAUGE WIRE	1	
15	SE133-072	TRIM COIL WIRE #1	12 GAUGE WIRE	1	
14	SE133-071	COIL TO WIRE CONNECTOR	SILICON BRONZE (DURUM)	2	
13	SE133-070	COVER, COIL CONNECTION HOUSING	G10	1	
12	SE133-069	COIL CONNECTION HOUSING	G10	1	
11	SE133-068-5	INSULATOR #5	G10	1	
10	SE133-068-4	INSULATOR #4	G10	1	
9	SE133-068-3	INSULATOR #3	G10	2	
8	SE133-068-1	INSULATOR #1	G10	14	
7	SE133-064-01	TRIM COIL, #2 WELDMENT	SEE DETAILS	1	
6	NS151378	3/8 FLAT WASHER, STANDARD	ALLOY A-286	8	
5	NS151377	3/8 FLAT WASHER, HEAVY	ALLOY A-286	63	
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	



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

RELEASE LEVEL: Fabrication
 DWG VERSION NO: 35

WEIGHT 185.3 lbs	MODEL NAME SE133-059	COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLARATOR EXPERIMENT	
WELDING ENGINEER	WELDER	DO NOT VERIFY INFORMATION BY SCALING DRAWING	TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .XX ±.000 .XXX ±.005 ANGULAR ±.0°-15'	DSN: R. UPKAVAGE 6/9/08	DRAWING NO: 6/9/08 ENGR: M. KALISH 6/9/08 SUPV: J. SIEGEL 6/9/08
NEXT ASSEMBLY			STELLARATOR CORE TRIM COILS TRIM COIL, #2 ASSEMBLY		
NEXT ASSEMBLY			SHEET 1 OF 1		

NCSX-SE133-059

NCSX-ASSY-FORMAT.E