If you are using a printed copy of this procedure, and not the on-screen version, then you MUST make sure the dates at the bottom of the printed copy and the on-screen version match.
The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.
Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

5.22.b BOOSTER Power Supply Checkout

Text pages 2 through 9

C-A OPM Procedures in which this Attachment is used.		
5.22		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials

Approved: ***Signature on File*** _____
Collider-Accelerator Department Chairman Date

P. Sampson

BOOSTER Power Supply Checkout

1. D.C. Supplies:

Magnet Supply		Command	Readback	Comments/date/time
1.1	LTB:			
	DH1	_____	_____	_____
	DH015	_____	_____	_____
	QH1	_____	_____	_____
	DV017	_____	_____	_____
	QH3	_____	_____	_____
	DV026	_____	_____	_____
	QV4	_____	_____	_____
	QH5	_____	_____	_____
	DH2-5	_____	_____	_____
	QH6	_____	_____	_____
	QH7	_____	_____	_____
	DH076	_____	_____	_____
	QH8	_____	_____	_____
	DV083	_____	_____	_____
	QV9	_____	_____	_____
	DH088	_____	_____	_____
	QH10	_____	_____	_____
	DV095	_____	_____	_____
	QV11	_____	_____	_____
	QH12	_____	_____	_____
	QV13	_____	_____	_____
	DV112	_____	_____	_____
1.2	BTA:			
	DH1	_____	_____	_____
	DH2-3	_____	_____	_____
	DH4	_____	_____	_____
	DH127	_____	_____	_____
	DH158	_____	_____	_____
	DH5	_____	_____	_____
	DV007	_____	_____	_____
	DV141	_____	_____	_____
	DV168	_____	_____	_____
	DV181	_____	_____	_____
	QV1	_____	_____	_____
	QH2	_____	_____	_____
	QV3	_____	_____	_____

1. DC Supplies (continued)

Magnet Supply	Command	Readback	Comments/date/time
1.2 BTA (continued):			
QH4	_____	_____	_____
QV5	_____	_____	_____
QH6	_____	_____	_____
QV7	_____	_____	_____
QH8	_____	_____	_____
QV9	_____	_____	_____
QH10	_____	_____	_____
QV11	_____	_____	_____
QH12	_____	_____	_____
QV13	_____	_____	_____
QH14	_____	_____	_____
QV15	_____	_____	_____
1.3 TTB:			
27QH1	_____	_____	_____
27QV1	_____	_____	_____
28QH1	_____	_____	_____
28QV1	_____	_____	_____
29QH1	_____	_____	_____
29QV1	_____	_____	_____
29QH2	_____	_____	_____
29QV2	_____	_____	_____
27TDV1	_____	_____	_____
27TDH1	_____	_____	_____
27TDV2	_____	_____	_____
27TDH2	_____	_____	_____
28TDV1	_____	_____	_____
28TDH1	_____	_____	_____
28THV2	_____	_____	_____
28TDH2	_____	_____	_____
29THV1	_____	_____	_____
29TDH1	_____	_____	_____
29TDV2	_____	_____	_____
29TDH2	_____	_____	_____
29TDV3	_____	_____	_____
29TDH3	_____	_____	_____

Operations Coordinators Signature _____ Date:_____

2. Pulsed power:

[1] Injection Bumps

Passed tests?

	Yes	No	Comments/date/time
Injection Fast Bumps			
KDHC1	___	___	_____
KDHC3	___	___	_____
KDHC7	___	___	_____
KDHD1	___	___	_____
Injection Slow Bumps			
TDHC4	___	___	_____
TDHC8	___	___	_____
TDHD1	___	___	_____
Dump Bump			
KDHDMP.D3	___	___	_____

[2] Extraction Kickers

KDHF3	___	___	_____
KDHA5	___	___	_____

[3] Extraction Bumps

TDHF2	___	___	_____
TDHF4	___	___	_____
TDHF7	___	___	_____
TDHA1	___	___	_____

[4] Septa

SPTMF6	___	___	_____
SPTML20	___	___	_____
SPTHC3	___	___	_____

Operations Coordinator Signature_____ Date:_____

in AGS Ring

3. Booster Stopband Correction Checkout.

Mux output follows loaded function?

	Yes	No	Comments/date/time
QH_SRT1	___	___	_____
QH_SRT2	___	___	_____
QV_SRT1	___	___	_____
QH_SRT2	___	___	_____
SH_SRT1	___	___	_____
SH_SRT2	___	___	_____
SH_SRT3	___	___	_____
SH_SRT4	___	___	_____
SV_SRT1	___	___	_____
SV_SRT2	___	___	_____
SV_SRT3	___	___	_____
SV_SRT4	___	___	_____
SVSRT91	___	___	_____
SVSTR92	___	___	_____
OCSTR.V	___	___	_____

O.C. Signature_____ Date:_____

4. Booster Orbit Checkout

[1] Dipole checkout:

Magnet	OK? Yes	OK? No	Comments/date/time
DHCA2	___	___	_____
DHCA4	___	___	_____
DHCA6	___	___	_____
DHCA8	___	___	_____
DHCB2	___	___	_____
DHCB4	___	___	_____
DHCB6	___	___	_____
DHCB8	___	___	_____
DHCC2	___	___	_____
DHCC4	___	___	_____
DHCC6	___	___	_____
DHCC8	___	___	_____
DHCD2	___	___	_____
DHCD4	___	___	_____
DHCD6	___	___	_____
DHCD8	___	___	_____
DHCE2	___	___	_____
DHCE4	___	___	_____
DHCE6	___	___	_____
DHCE8	___	___	_____
DHCF2	___	___	_____
DHCF4	___	___	_____
DHCF6	___	___	_____
DHCF8	___	___	_____
DVCA1	___	___	_____
DVCA3	___	___	_____
DVCA5	___	___	_____
DVCA7	___	___	_____
DVCB1	___	___	_____
DVCB3	___	___	_____
DVCB5	___	___	_____
DVCB7	___	___	_____
DVCC1	___	___	_____
DVCC3	___	___	_____
DVCC5	___	___	_____

4. Booster Orbit Checkout (continued)

[1] Dipole checkout (continued):

Magnet	OK? Yes	OK? No	Comments/date/time
DVCC7	___	___	_____
DVCD1	___	___	_____
DVCD3	___	___	_____
DVCD5	___	___	_____
DVCD7	___	___	_____
DVCE1	___	___	_____
DVCE3	___	___	_____
DVCE5	___	___	_____
DVCE7	___	___	_____
DVCF1	___	___	_____
DVCF3	___	___	_____
DVCF5	___	___	_____
DVCF7	___	___	_____

O.C. Signature _____Date: _____

5. Software checkout.

Harmonic Number	Command Value	Readback Value	Comments/date/time
1	_____	_____	_____
2	_____	_____	_____
3	_____	_____	_____
4	_____	_____	_____
5	_____	_____	_____
6	_____	_____	_____

O.C. Signature _____ Date:_____

6. Booster Main Magnet Checkout.

> **Note:**
> The total ring voltage is measured with a backleg winding monitor. Therefor the V(t) display by the application code should resemble the B4 backleg winding signal.

Booster Main Magnet Ready _____system specialist

Signal	Application Display ok	XBAR Display ok	Comments/date/time
I(t)	_____	_____	_____
V(t)	_____	_____	_____
B4BLW_MON	_____	_____	_____
MOD1_ AB_V	_____	_____	_____
MOD1_ CD_V	_____	_____	_____
MOD2_ AB_V	_____	_____	_____
MOD2_ CD_V	_____	_____	_____

Comments/date/time_____
_____

O.C. Signature _____ Date:_____

7. Booster Tune supply checkout.

[1] Booster tune quads:

BoosterTuneControl ok _____

Comments/date/time
_____

Function loaded (name) _____
Current signal follows function _____

Comments/date/time_____
_____

[2] Booster chrom sextupoles:

BoosterChromControl ok _____

Comments/date/time _____

Function loaded (name) _____

Current signal follows function _____

Comments/date/time_____
_____

O.C. Signature_____ Date:_____