

RECORDER CARETM
BY NORTRONICS®

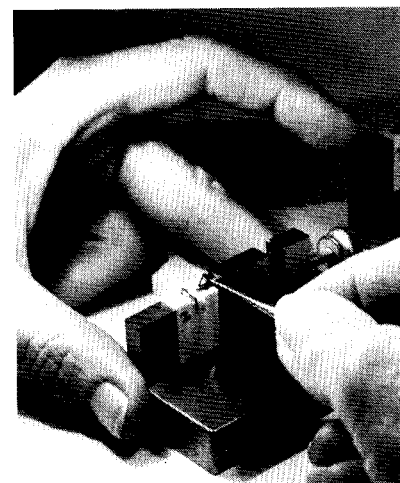
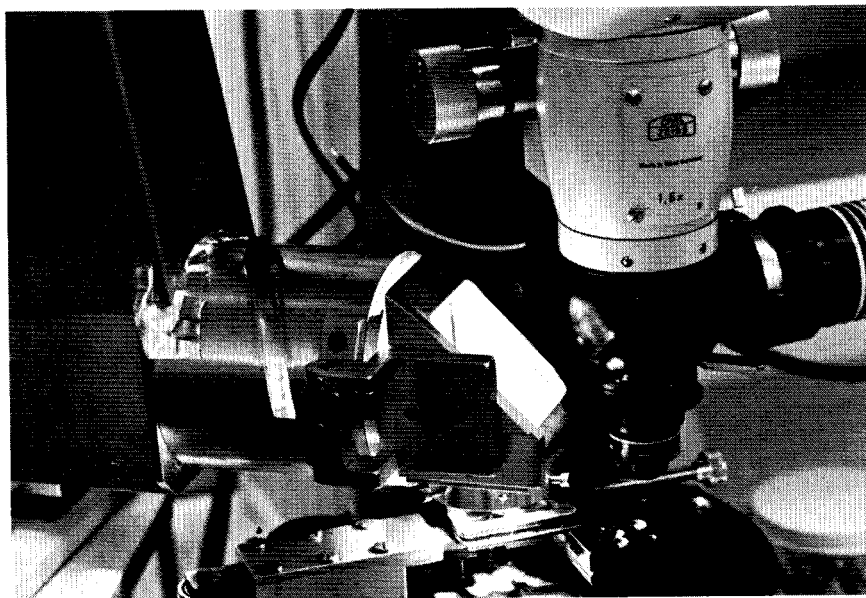
BROADCAST ■ STUDIO ■ DUPLICATOR

PROFESSIONAL TAPE HEAD REPLACEMENT GUIDE

INCLUDES SPECIALIZED AUDIO APPLICATIONS

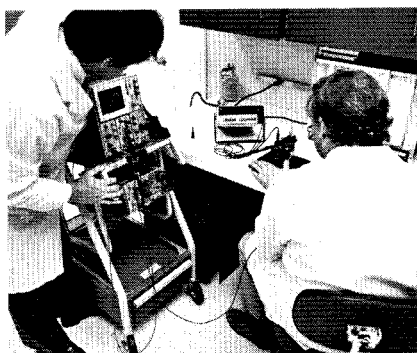
FOURTH EDITION

PRECISE REPLACEMENT HEADS WITH CONSISTENT UNIFORM QUALITY YOU CAN DEPEND UPON!



When you use professional recording equipment for demanding professional applications, you just can't afford second best in a replacement head. We know that quality and dependability are the hallmarks of performance in broadcasting, recording studios, tape duplication, and other professional environments where equipment downtime must be minimized and optimum audio quality maximized.

Nortronics' professional replacement heads are available in industry's widest range for virtually all broadcasting, studio, and duplicating equipment. Moreover, each head we manufacture is built with the consistent, uniform quality that ensures that it will be equal to or better than the original head supplied by the equipment manufacturer. As a matter of fact, Nortronics is one of the world's major suppliers of heads to OEM's and chances are good that we built the head you need to replace.



Professional users will also find that Nortronics' replacement heads are readily available from our nationwide distributor network—usually from the distributor's extensive stock—without delays. And, it doesn't end merely with a product. We're pleased to offer technical assistance, application and installation know-how, dependable delivery, and every other support function you should expect from the company that manufactures the finest electrically and mechanically compatible direct replacement heads in the world today!

RECORDER CARE™
A DIVISION OF NORTRONICS®

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To Find Your Nortronics Replacement Head:

1. If you know **Recorder Model Number** and Head Track Style, refer to Sections A, B, C or D for Head and QK Mounting Hardware, if needed.
2. If you can't find your recorder in these sections, but know the recorder manufacturer's **Head Part No.**, refer to Section E.
3. If you know the Nortronics **OEM Head Number**, refer to Section F to determine the Recorder-Care Number.

Manufacturer's Listed In This Book

Amega (Rangertone)	Lyrec
Ampex	Macarta (see SMC)
Ampro (Instatape)	Magnasync (see Moviola)
ATC (Gates) (Harris)	Magnecord (Telex)
Audi-Cord	MCA
Audiotronics (ATC)	MCI
Automatic Electric	Metrotech (Scully)
(Electronic Secretary)	Micro Magnetics
Beaucart (UMC Electronics)	3M (see Wollensak)
Becht	Moviola (Magnasync)
Broadcast Electronics	Muzak
(see Spotmaster)	Newcomb
Brush (Clevite)	Otari
Cetec	Pentagon
Code-A-Phone (Ford)	Pioneer
Collins	Presto
Concertone (Berlant)	Rapid-Q (Edco) (Garron) (Stacor)
Crown International	Rawdon-Smith (Multitape)
Cuemaster (Consolidated	RCA
Electronics) (Cepak)	Recordex
Dictaphone (see also Metrotech)	Revax
Echoplex (Market) (Gibson-Maestro)	Schafer (Cetec)
Electro Sound	Scully (Scully/Metrotech)
Electronic Secretary	(Dictaphone)
(see Automatic Electric)	L.J. Scully
Fairchild	Showchron (Honeywell)
Fender (Echo-Fonic)	SMC (Macarta) (Sono-Mag)
Ford Industries	Sparta (Cetec)
(see Code-A-Phone)	Spotmaster (Broadcast Electronics)
Gables	Stancil-Hoffman
Garner	Sundstrand (United Control)
Grindley (Tad)	Tad (see Grindley)
Harris (Gates) (ATC)	Tape-Athon
Infonics	Tapecaster
Instatape (see Ampro)	Teac
International Audio (Alpha)	Technics (Panasonic)
International Tapetronics (ITC)	Telex (Magnecord) (Viking)
International Video	Vega
ITC (International Tape)	Viking (Telex)
Lockheed Aircraft Service	Wollensak (3M)

Reel to Reel

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Manufacturer Head Part
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Head Specifications & Accessories

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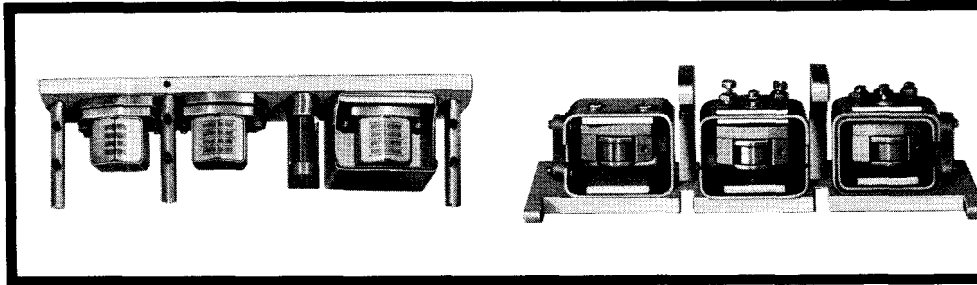
Nortronics Tape Head Replacements for: Reel-to-Reel Recorders/Players

SECTION

A

HEAD REPLACEMENT BY
RECORDER MANUFACTUR-
ER AND MODEL NO.

1. Look up particular machine, Model No. and track style to determine the correct replacement heads.
2. Head No. is followed by QK mount when needed. Subsequent head replacements will usually not require another QK.
3. Consult REFERENCE NOTES on inside back cover as indicated by number in second column.



Model No.	Track Style & Notes	Ref. Notes	RP or RPE	4th Head or Combo	Record Head & QK	Playback Head & QK	Erase Head & QK
AMPEX (Note: QK mounts needed first time only)							
A111	FT - 15				9103+86	9102+86	9125+86
A111	2TM - 17				8401+86	8400+86	9223+86
A111	2TS - 17				9203+86	9203+86	9223+86
A112	FT - 15				9103+86	9102+86	9125+86
A112	2TM - 17				8401+86	8400+86	9223+86
A112	2TS - 17				9203+86	9203+86	9223+86
A114	FT - 15				9103+86	9102+86	9125+86
A114	2TM - 17				8401+86	8400+86	9223+86
A114	2TS - 17				9203+86	9203+86	9223+86
A121	FT - 15				9103+86	9102+86	9125+86
A121	2TM - 17				8401+86	8400+86	9223+86
A121	2TS - 17				9203+86	9203+86	9223+86
A122	FT - 15				9103+86	9102+86	9125+86
A122	2TM - 17				8401+86	8400+86	9223+86
A122	2TS - 17				9203+86	9203+86	9223+86
A124	FT - 15				9103+86	9102+86	9125+86
A124	2TM - 17				8401+86	8400+86	9223+86
A124	2TS - 17				9203+86	9203+86	9223+86
AG300-1	FT - 14, 20				9104+76	9102+76	9127+76
AG300-2	2TS - 20				9204+76	9202+76	9222+76
AG300	4TS - 20				8614+76	8600+76	8640+76
AG300-4	4CH 1/2" - 17				9465	9464	9472
AG305-1	FT Play					9102+76	
AG305-2	2TS Play					9202+76	
AG305	4TS Play					8600+76	
AG305	4CH 1/4" Play					5603+76	
AG350-1	FT - 14, 20, 27	P 2T		8200+86	9104+76	9102+76	9127+76
AG350-2	2TS - 20, 27	P 4TS		8600+86	9204+76	9202+76	9222+76
AG350	4TS - 20, 27	P 2TS		9202+86	8614+76	8600+76	8640+76
AG355	FT	P 2T		8200+76		9102+76	
AG355	2TS	P 4TS		8600+76		9202+76	
AG440	FT - 23	P 2T		9209+76	9104+76	9109+76	9127+79
AG440	2TS - 23	P 4TS		8609+76	9204+76	9209+76	9227+79
AG440	4TS - 23	P 2TS		9209+76	8618+76	8609+76	8640+79
AG440	4CH 1/2" - 44				9465	9474	9472
AG440B	FT - 23	P 2T		9209+76	9104+76	9109+76	9127+79
AG440B	2TS - 23	P 4TS		8609+76	9204+76	9204+76	9227+79
AG440B	4TS - 23	P 2TS		9209+76	8618+76	8609+76	8640+76
AG440B	4CH 1/2" - 44				9465	9474	9472
AG440C	FT, 2T - 23	P 2T		9209+76	9104+76	9109+76	9127+79
AG440C	2TS - 23	P 4TS		8609+76	9204+76	9209+76	9227+79
AG440C	4TS - 23	P 2TS		9209+76	8618+76	8609+76	8640+79
AG440C	4CH 1/2" - 44				9465	9474	9472
AG445	FT	P 2T		9209+76		9109+76	
AG445	2TS	P 4TS		8609+76		9209+76	
AG445	4CH 1/4"					5605+76	
AG445B	FT	P 2T		9209+76		9109+76	
AG445B	2TS	P 4TS		8609+76		9209+76	
AG445B	4CH 1/4"					5605+76	
AG445C	FT	P 2T		9209+76		9109+76	
AG445C	2TS	P 4TS		8609+76		9209+76	
AG445C	4CH 1/4"					5605+76	
AG500	FT	P 2T		9207+87	9103+87	9111+87	9125+87
AG500	2TS - 21	P 4TS		8607+87	9203+87	9207+87	9227+87
AG500	4TS - 22	P 2TS		9207+87	8618+87	8607+87	8640+87
AG500	4CH 1/4" - 22, 30				5604+87	5603+87	9125+87
AG600	FT - 15				9103+86	9111+86	9125+86
AG600	2TM, 2TS - 21				9203+86	9207+86	9227+86
AG600	4TS - 22				8618+86	8607+86	8640+86
AG600B	FT - 15				9103+86	9111+86	9125+86
AG600B	2TM, 2TS - 21				9203+86	9207+86	9227+86
AG600B	4TS - 22				8618+86	8607+86	8640+86
AL500	2TS - 21	P 4TS		8607+87	9203+87	9207+87	9227+87
AL500	4TS - 22	P 2TS		9207+87	8618+87	8607+87	8640+87
AL500	4CH 1/4" - 22, 30				5604+87	5603+87	9125+87
ATR700	2TS				9203+85	9213+85	9226+86
ATR700	4TS				8604+85	8608+85	8701+86
ATR700	FT				9103+85	9119+85	9126+86
PR-10-1	FT - 15	P 2T		8400+87	9103+87	9102+87	9125+87
PR-10-1	2TM - 15				8401+87	8400+87	8504+87
PR-10-2	2TS - 17	P 4TS		8600+87	9203+87	9202+87	9223+87
PR-10-2	4TS - 15	P 2TS		9203+87	8618+87	8600+87	8640+87
300-1	FT				9103+76	9102+76	9125+76
300-2	2TS - 17				9203+76	9202+76	9223+76
300-2	4TS				8618+76	8600+76	8701+76

Model No.	Track Style & Notes	Ref. Notes	RP or RPE	4th Head or Combo	Record Head & QK	Playback Head & QK	Erase Head & QK
AMPEX (Continued)							
300-4	4CH 1/2" - 17				9465	9464	9472
350-1	FT				9103+76	9102+76	9125+76
350-2	2TS - 17				9203+76	9202+76	9223+76
350-2	4TS				8618+76	8600+76	8701+76
350-4	4CH 1/2" - 17				9465	9464	9472
351-1	FT				9103+76	9102+76	9125+76
351-2	2TS - 17				9203+76	9202+76	9223+76
351-2	4TS				8618+76	8600+76	8701+76
354-1	FT - 15				9103+76	9102+76	9125+76
354-2	2TS - 17				9203+76	9202+76	9223+76
354-2	4TS - 15				8618+76	8600+87	8640+76
400	FT				9103+76	9102+76	9125+76
400	2TS - 17				9203+76	9202+76	9223+76
401	FT				9103+76	9102+76	9125+76
401	2TS - 17				9203+76	9202+76	9223+76
450	2TS		P			9202+35	
450	4TS		P			8600+35	
600	FT - 15				9103+92	9102+92	9125+92
600	2TM - 17				8401+92	8400+92	9223+92
601	FT - 15				9103+92	9102+92	9125+92
601	2TM - 17				8401+92	8400+92	9223+92
601-2	2TS - 15				9203+92	9202+92	9223+92
602-1	FT - 15, 37				9103+86	9102+86	9125+86
602-1	2TM - 17, 37				8401+86	8400+86	9223+86
602-2	2TS - 17, 37				9203+86	9202+86	9223+86
900 Series	FT - 32, 15				9103+86	9102+86	9125+86
900 Series	2TM - 32, 15				8401+86	8400+86	9223+86
900 Series	2TS - 32, 17				9203+86	9202+86	9223+86
900 Series	4TS - 32, 15				8604+86	8600+86	8701+86
1200	2TS - 15				9203+86	9202+86	9222+86
1200	4TS - 15				8604+86	8608+86	8640+86
1250	2TS - 15				9203+86	9202+86	9222+86
1250	4TS - 15				8604+86	8608+86	8640+86

CUEMASTER (CONSOLIDATED ELECTRONICS CEPAK)

MK III	FT				9103	9102	PRB1EF14
MK IV	FT				9103	9102	PRB1EF14
MK V	FT				9109	9119	8109
MK V	2TS				9209	9213	8309

CONCERTONE (BERLANT)

AV102	FT - 4				9111+106	9100+106	4400+304
AV102	2M - 4				8401+106	2600+106	3600+304
AV102	2S - 4				2003+106	2000+106	2200+304
AV102	4S - 4				1203+106	1200+106	1400+304
AV102	3C - 4, 11				5702+106	5701+106	8101+106
AV102	4C - 4, 11				5601+106	5603+106	8101+106
BA-1	FT				9105+106	9111+106	4400+304
BA-1	2M				8401+106	2600+206	3600+304
BA-1	2S				2003+106	2000+106	2200+304
BA-1	4S				1203+106	1200+106	1400+304
BA-1	3C - 4, 11				5702+106	5701+106	8101+106
BA-1	4C - 4, 11				5601+106	5603+106	8101+106
BAX	FT - 4				9105+106	9111+106	4400+304
BAX	2M				8401+106	2600+106	3600+304
BAX	2S				2003+106	2000+106	2200+304
BAX	4S				1203+106	1200+106	1400+304
BAX	FT				9105+106	9111+106	4400+304
BRX	2M				8401+106	2600+106	3600+304
BRX	2S				2003+106	2000+106	2200+304
BRX	4S				1203+106	1200+106	1400+304
BRXD5-5	FT				9105+106	9111+106	4400+304
BRXD5-5	2M - 4				8401+106	2600+106	3600+304
BRXD5-5	2S				2003+106	2000+106	2200+304
BRXD5-5	4S - 4				1203+106	1200+106	1400+304
BRX-P	FT - 4				9105+106	9111+106	4400+304
BRX-P	2M - 4				8401+106	2600+106	3600+304
BRX-P	2S - 4				2003+106	2000+106	2200+304
BRX-P	4S - 4				1203+106	1200+106	1400+304
BRX-1	FT				9105+106	9111+106	4400+304
BRX-1	2M				8401+106	2600+106	3600+304
BRX-1	2S				2003+106	2000+106	2200+304

Tape Head Replacements for: Reel-to-Reel

Model No.	Track & Ref. Notes	RP or RPE	4th Head or Combo	Record Head & QK	Playback Head & QK	Erase Head & QK
CONCERTONE (BERLANT) (Continued)						
BRX-1	4S			1203+106	1200+106	1400+304
C-540-1GM	2M			2601+84	NONE	
MARK VII	FT			9105+106	9111+106	4400+304
MARK VII	2M			8401+106	2600+106	3600+304
MARK VII	2S			2003+106	2000+106	2200+304
MARK VII	4S			1203+106	1200+106	1400+304
MARK VII-C	2S			2003+106	2000+106	NSI
TWR	FT - 4			9105+106	9111+106	4400+304
TWR	2M - 4			8401+106	2600+106	3600+304
TWR	2S - 4			2003+106	2000+106	2200+304
TWR	4S - 4			1203+106	1200+106	1400+304
TWR-1	FT - 4			9105+106	9111+106	4400+304
TWR-1	2M - 4			8401+106	2600+106	3600+304
TWR-1	2S - 4			2003+106	2000+106	2200+304
TWR-1	4S - 4			1203+106	1200+106	1400+304
20/20 SERIES	FT - 4			9105+106	4000+106	4400+304
20/20 SERIES	2M			8401+106	2600+106	3600+304
20/20 SERIES	2S - 4			2003+106	2000+106	2200+304
20/20 SERIES	4S - 4			1203+106	1200+106	1400+304
30/30 SERIES	FT - 4			9105+106	9111+106	4400+304
30/30 SERIES	2M - 4			8401+106	2600+106	3600+304
30/30 SERIES	2S - 4			2003+106	2000+106	2200+304
30/30 SERIES	4S - 4			1203+106	1200+106	1400+304
33	2S			2003+106	2000+106	NONE
36-ST	FT - 4			9105+106	9111+106	4400+304
36-ST	2M - 4			8401+106	2600+106	3600+304
36-ST	2S - 4			2003+106	2000+106	2200+304
36-ST	4S - 4			1203+106	1200+106	1400+304
60 SERIES	FT - 4			9105+106	9111+106	4400+304
60 SERIES	2M - 4			8401+106	2600+106	3600+304
60 SERIES	2S - 4			2003+106	2000+106	2200+304
60 SERIES	4S - 4			1203+106	1200+106	1400+304
63-K	2S			2003+106	2000+106	NONE
91	2M			8401+84	2601+84	8506+84
92	2M			8401+84	2601+84	8506+84
93-2-2A	2S			2010+84	2000+84	8306+66
93-2-2A	4S - Trail Head					
122	2M - 8	RP	3101+21			3801+18
216S	4S	RP	5232			
240	2M	RP	5130			NONE
303	4S			8602+66	1202+66	1408+66
303D	4S			1203	1202	1408
400	NONE					
406D	4S	RP	5230			NONE
500	4S - 3			1210+84	1200+84	8708+84
505R	4S - 3			8614+84	8608+84	8708+66
605 SERIES	FT - 5			9103+66	9111+66	4402+19
605 SERIES	2M - 5			8401+66	2600+66	3602+19
605 SERIES	2S - 5			2010+66	2000+66	2202+19
605 SERIES	4S - 5			1210+66	1200+66	8640+66
700	2M - 2	RP	3002			NONE
727	4S - 8			1203+38	1207+38	1408+38
770	4S - 2, 8			1203	1207	1408+18
790	4S				1202+66	NSI
790	4S - 2			1203	1207	NONE
800	4S			1203+66	1201+66	1401+19
801	4S			1203+66	1201+66	1401+19
802	4S			1203+66	1201+66	1401+19
804	4S			1203+66	1201+66	1401+19
1033	FT - 15			9105+106	9111+106	4400+304
1033	2M - 4			2603+106	2600+106	3600+304
1033	2S - 4			2003+106	2000+106	2200+304
1033	4S			1203+106	1200+106	1400+304

CROWN INTERNATIONAL

A-51	2M - L/R				8406+66	NONE
A-54	4S - L/R				8601+66	NONE
A-314	2M - L/R				8406+66	NONE
A-324	4S - L/R				8601+66	NONE
A-1314	2M - L/R				8406+66	NONE
B/C801	FT - 18			9103+66	9111+66	8104+66
B/C802	2M - 18			8404+66	8403+66	8304+66
B/C822	2S - 18			9205+66	9213+66	8304+66
B/C824	4S - 18			8603+66	8608+66	1401+19
BX801	FT			9103+66	9111+66	8104+66
BX802	2M			8404+66	8406+66	3601+18
BX822	2S - 19			9205+66	9213+66	9222+66
BX824	4S			8603+66	8601+66	1401+18
BX1024	4S			8603+66	8601+66	1401+18
BX1401	FT			9103+66	9111+66	8104+66
BX1402	2M			8404+66	8406+66	3601+18
BX1422	2S - 19			9205+66	9213+66	9222+66
CBD	2M - 19	RP			8501+66	
CBF	FT	RP	8403+66		8104+66	
C1744	4T, 4C		9111+66	5604+66	5603+66	1401+18
C1844	4C			5604+66	5603+66	1401+18
C1D	2M - 9	RP	8403+66		8301+66	
C1DS	2S	RP	8209+66		8301+66	
C1F	FT	RP	9111+66		8104+66	
CPDS	2S	RP	8209+66		8301+66	
CPF	FT	RP	9111+66		8104+66	
CR	2S	RP	8209+66		2201+18	
CX711	FT			9103+66	9111+66	8104+66
CX712	2M			8404+66	8406+66	3601+18
CX722	2S - 19			9205+66	9213+66	9222+66
CX722-P4	2S, P4S	RE	6101+66	8601+66	8208+66	
CX724	4S			8603+66	8601+66	1401+18
CX724-P2	4S, P2S	RE	6004+66	8208+66	8601+66	
CX744	4T, 4C			5604+66	5603+66	1401+18

Model No.	Track & Ref. Notes	RP or RPE	4th Head or Combo	Record Head & QK	Playback Head & QK	Erase Head & QK
CROWN INTERNATIONAL (Continued)						
CX811	FT			9103+66	9111+66	8104+66
CX812	2M			8404+66	8406+66	3601+18
CX822	2S - 19			9205+66	9213+66	9222+66
CX822-P4	2S, P4S	RE	6101+66	8601+66	8208+66	
CX824	4S			8603+66	8601+66	1401+18
CX824-P2	4S, P2S	RE	6004+66	8208+66	8601+66	
CX844	4C			5604+66	5603+66	1401+18
SL724	4S	RE	6004+66	8600+66	8600+66	
SL802	2M			8603+66	8600+66	3601+18
SL822	2S			9205+66	9213+66	2201+18
SL824	4S			8603+66	8600+66	1401+18
SP314	2M - L/R			8406+66	NONE	
SP324	4S - L/R			8601+66	NONE	
SP702	2M			8406+66	NONE	
SP722	2S			9213+66	NONE	
SP724	4S			8601+66	NONE	
SP801	FT			9111+66	NONE	
SP802	2M			8406+66	NONE	
SP822	2S			9213+66	NONE	
SP824	4S			8601+66	NONE	
SP844	4CH			5603+66	5603+66	
SS702	2M	RE	6126+66	8406+66	8406+66	
SS722	2S	RE	6101+66	8208+66	8600+66	
SS724	4S	RE	6004+66	9103+66	9111+66	8104+66
SS801	FT					
SS802	2M - 19			8404+66	8406+66	3601+18
SS822	2S - 19			9205+66	9213+66	9222+66
SS824	4S			8603+66	8601+66	1401+18
SS1400	2S - 19			8204+66	8208+66	9222+66
SX701	FT			9103+66	9111+66	8104+66
SX724	2M			8404+66	8406+66	3601+18
SX711	FT			9103+66	9111+66	8104+66
SX712	2M			8404+66	8406+66	3601+18
SX722	2S - 19			9205+66	9213+66	9222+66
SX722-P4	2S, P4S	RE	6101+66	8601+66	8208+66	
SX724	4S			8603+66	8601+66	1401+18
SX724-P42	4S, P2S	RE	6004+66	8208+66	8601+66	
SX811	FT			9103+66	9111+66	8104+66
SX812	2M			8404+66	8406+66	3601+18
SX822-P4	2S, P4S	RE	6101+66	8601+66	8208+66	
SX824	4S			8603+66	8601+66	1401+18
SX824-P2	2S, P2S	RE	6004+66	8208+66	8601+66	
701-GCB	FT	RP	9111+66			8104+66
702-GCP	2M	RP	8403+66			8104+18
712-GCSX	2S - 19	RP	8209+66			9222+66
714C	4S	RP	8608+66			1401+18
752	2S	RP	8209+66			8304+38
800PK	FT			9103+66	9111+66	8104+66
844	4CH			5604+66	5602+66	1401+18
844ST	4S	P			8601+66	
1001	FT			9103+66	9111+66	8104+66
1002	2M			8404+66	8403+66	3601+18
1022	2S - 19			9205+66	9213+66	9222+66
1024	4S			8603+66	8608+66	1401+18
1401	FT			9103+66	9111+66	8104+66
1402	2M			8404+66	8403+66	3601+18
1422	2S - 19			9205+66	9213+66	9222+66
1424	4S			8603+66	8601+66	1401+18

ELECTRO SOUND

ES-505	FT 1/4"			9104+73	9102+73	9127+89
ES-505	2TM 1/4"			9204+73	9202+73	9227+89
ES-505	2TS 1/4"			9204+73	9202+73	9227+89
ES-505	4TS 1/4"			8614+73	8600+73	8640+89
ES-505	4CH 1/4"			5607+73	5603+73	8640+89(2)
ES-505	4CH 1/2"					
ES-505	8CH 1"					
ES-555	FT 1/4"	P			9102+73	
ES-555	2TM 1/4"	P			9202+73	
ES-555	2TS 1/4"	P			9202+73	
ES-555	4TS 1/4"	P			8600+73	
ES-555	4CH 1/4"	P			5603+73	

INTERNATIONAL TAPETRONICS (ITC)

855-0001	FT			9105	9119	9125
855-0002	FT			9105	9119	9125
855-0003	2TM			8404	8403	9226
855-0004	2TM			8404	8403	9226
855-0005	2TS			2003D	8202	9226
855-0006	2TS			2003D	8202	9226
855-0007	4TS			8603	8608	8640
855-0008	4TS			8603	8608	8640
856-0001	FT				9119	
856-0002	FT				9119	
856-0003	2TM				8403	
856-0004	2TM				8403	
856-0005	2TS				8202	
856-0006	2TS				8202	
856-0007	4TS				8608	
856-0008	4TS				8608	
855-7514	750 Series FT			9105	9119	9125
855-7515	FT			9105	9119	9125
855-7524	" 2TM			8404	8403	9226
855-7525	" 2TM			8404	8403	9226
855-7534	" 2TS			2003D	8202	9226
855-7535	" 2TS			2003D	8202	9226
855-7544	" 4TS			8603	8608	8640

Tape Head Replacements for: Reel-to-Reel

Model No.	Track Style & Ref. Notes	RP or RPE	4th Head or Combo	Record Head & QK	Playback Head & QK	Erase Head & QK
INTERNATIONAL TAPETRONICS (ITC) (Continued)						
855-7545 Series	4TS			8603	8608	8640
856-7514	FT				9119	
856-7515	FT				9119	
856-7524	2TM				8403	
856-7525	2TM				8403	
856-7532	2TS				8202	
856-7534	2TS				8202	
856-7535	2TS				8202	
856-7544	4TS				8608	
856-7545	4TS				8608	

LYREC

TR532-8	8CH 1"			9885	9889	9891
TR532-16	16CH 2"			9501	9502	9997
TR532-24	24CH 2"			9988	9989	9987

MAGNECORD (TELEX)

B358	NONE					
DMT Series	2S			9204	8202	
DST Series	2S			9204	8202	
F358	NONE					
M30 Series	NONE					
M33	NONE					
M80, M90, P60, P75	FT			9103+35	9102+35	9127+35
M80, M90, P60, P75	2M			8401+35	8403+35	9227+35
M80, M90, P60, P75	2S			8201+35	8200+35	9227+35
M80, M90, P60, P75	4S			8604+35	8600+35	8640+35
PT-6	NONE					
PT-63	NONE					
S35B	NONE					
S36B	NONE					
728	2S - 40	4S	8600+88	9204+88	9202+88	9288+88
748	4S - 40	2S	9202+88	8604+88	8600+88	
815, 16, 17	2M				8403+75	
815, 16, 17	4S				8608+75	
1020	2S	2S	8202	8602	8607	8702
1021	FT	FT	9111	9112	8406 (2M)	8102
1022	2S	4S	8607	8203	8202	8702
1024	4S	2S	8202	8602	8607	8702
1028	2S - 40		8600+88	9204+88	9202+88	9288+88
1048	4S - 40		9202+88	8604+88	8600+88	
1421F	FT	FT	9111	9112	8406	8102
1421H	2M			8404	8406	8302
1422H	2S	4S	8607	8203	8202	8302
1422Q	4S	2S	8202	8602	8607	8702

MCI

JH16	16CH 2"			9993	9994	9997
JH16-8	8CH 1"			9885	9886	9891
JH24	24CH 2"			9983	9984	9987
JH24-16	16CH 2"			9993	9994	9997
JH110	FT 1/4"			9104	9109	9125
JH110	2TS 1/4"			9204	9209	9222
JH114-8	8CH 1"			9885	9886	
JH114-16	16CH 2"			9993	9994	
JH114-24	24CH 2"			9983	9984	

METROTECH

400L	8T 1/4"			5833	5832	
514A	2TM	P			8209	
514P	2TM	P			8209	
516A	4CH, 4T	P			8601	
516LP	4CH, 4T	P			8601	
516P	4CH, 4T	P			8601	
523A	2TS	P			8209	
523P	2TS	P			8209	
525A	4TS	P			8601	
525P	4TS	P			8601	
526A	4TS	P			8601	
526LP	4TS	P			8601	
526P	4TS	P			8601	
527AL	4TS	P			8601	
527LP	4TS	P			8601	
531A	FT			9103	9119	4401
531R	FT			9103	9119	4401
533A	2TM			6104	8209	
533R	2TM			6104	8209	
534A	2TM			6104	8209	
534R	2TM			6104	8209	
543A	2TS			6104	8209	
543R	2TS			6104	8209	
545A	4TS			6007	8601	
545R	4TS			6007	8601	
546A	4TS			6007	8601	
546R	4TS			6007	8601	
547A	4TS			6007	8601	
547R	4TS			6007	8601	
552A	1CH, 4T			6007	8601	
552L	1CH, 4T			6007	8601	
554A	2CH, 4T			6007	8601	
554L	2CH, 4T			6007	8601	
555A	4CH, 4T			6007	8601	
555L	4CH, 4T			6007	8601	

3M (See WOLLENSAK)

Model No.	Track Style & Ref. Notes	RP or RPE	4th Head or Combo	Record Head & QK	Playback Head & QK	Erase Head & QK
MUZAK						
Muzak	2TM - 45				8402+66	
NEWCOMB						
AV-70M	2S	RP	2050			2250
SM-310	2S	RP	2050			2250
SM-310-4	4S	RP	1250			1450
TX10-4	4S	RP	1250			1450

OTARI

ARS-1000	2TS				9203+93	9213+93	9227+93
Mark II-2	2TS					9213+93	
Mark II-4	4CH 1/2"					9213+93	9227+93
MTR-60	2TS				9203+93	9103+93	NONE
MX-6050-FL	FTM	2T P	9213+93				
MX-6050-2SH	2TS	4TS P	8209+93		9203+93	9213+93	9227+93
MX-6050-QXHD	4CH 1/4"				5606+93	5603+93	NONE
MX-6050B	2TS	4TS P	8209+93		9203+93	9213+93	9227+93
MX-6050B	FTM				9103+93	9119+93	NONE
MX-6050B	4CH 1/4"	2TS P	9213+93		5606+93	5603+93	NONE
MX-7000	2TS	4TS P	8209+93		9203+85	9213+85	
MX-7000	FTM				9103+85	9119+85	

PIONEER

RT-701	4TS				8604+102	8608+102	NONE
RT-701	2TS - 43				9203+102	9213+102	9227+94
RT-701	FTM - 43				9103+102	9119+102	9125+94
RT-707	4TS	4TS P	8608+102		8604+102	8608+102	NONE
RT-2022	2TS				9203+102	9207+102	9227+95
RT-2022	FT				9111+102	9117+95	
RT2044	4CH				5604+102	5603+102	NONE

PRESTO

CDR	2M					8403+35	
PB-17	2M					8403+35	
PT-900	FT				9103+35	9106+35	9125+35
PT-900	2M				8401+35	8402+35	8301+35
RC-10	FT				9103+35	9106+35	8106+35
RC-10	2M				8401+35	8402+35	8301+35
RC-24	FT				9103+35	9106+35	9125+35
RC-24	2M				8401+35	8402+35	8301+35
RD175	2M					8400+38	8301+38
625	2S					8208+35	
625	4S					8601+35	
800	FT				9103+35	9111+35	8102+35
800	2M				8401+35	8406+35	8302+35
800	2S				8201+35	8208+35	8302+35
800	4S				8604+35	8601+35	8702+35
825	FT				9103+35	9111+35	8102+35
825	2M				8401+35	8406+35	8302+35
825	2S				8201+35	8208+35	8302+35
825	4S				8604+35	8601+35	8702+35
850	FT				9103+35	9111+35	8102+35
850	2M				8401+35	8406+35	8302+35
850	2S				8201+35	8208+35	8302+35
850	4S				8604+35	8601+35	8702+35

RCA

RT-19 Log.	4CH, 4T				6007	8601	
RT-21	FT				9107	9108	8110
RT-21	2TS				8206	8205	8307
RT-22	2T R-Cart.				2002	2002	8307
TP-66	16-mm					4951	

REVOX

A-77	FT - 34				9103+87	9111+87	
A-77	2S - 34				9203+87	9211+87	
A-77	4S - 34				8604+87	8607+87	
A-700	2S - 34				9204+87	9211+87	
A-700	FT - 34				9104+87	9110+87	
D36, E36, F36, G36	FT - 35				9105+87	9102+87	
D36, E36, F36, G36	2S - 35				9205+87	9202+87	
D36, E36, F36, G36	4S - 35				8603+87	8600+87	

SCHAFFER (See also Section E)

AL-330					1222	1221	
VLR Logger					1222	8601	

SCULLY/METROTECH (DICTAPHONE)

100-8	8CH 1" - 38	RPE	9887 RPE	9888 RP		9892 E
100-16	16CH 2" - 38	RPE	9998 RPE	9999 RP		9999 E
250-FT	FTM 1/4"			9104	9110	9128
250-1	2TM 1/4"			8207	8202	9223
250-2	2TS 1/4"			8207	8202	9223
250-24	4TS 1/4"			8618	8607	8641
255-FT	FTM 1/4"	P			9110	
255-1	2TM 1/4"	P			8202	

Tape Head Replacements for: Reel-to-Reel

Model No.	Track Style & Notes	Ref. Notes	RP or RPE	4th Head or Combo	Record Head & QK	Playback Head & QK	Erase Head & QK
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SCULLY/METROTECH (DICTAPHONE) (Continued)

255-2	2TS 1/4"		P			8202	
255-24	4TS 1/4"		P			8607	
270	FT 1/4" - 16		P			9102+91	
270-1	2TM 1/4" - 16		P			9202+91	
270-2	2TS 1/4" - 16		P			9202+91	
270-24	4TS 1/4" - 16		P			8600+91	
270-44	4TS 1/4" - 39		P			5603+91	
275	FT 1/4" - 16		P			9102+91	
275-1	2TM 1/4" - 16		P			9202+91	
275-2	2TS 1/4" - 16		P			9202+91	
275-24	4TS 1/4" - 16		P			8600+91	
275-44	4TS 1/4" - 39		P			5603+91	
280	FTM 1/4" - 16				9104+91	9102+91	9128+91
280-1	2TM 1/4" - 16				9204+91	9202+91	9223+91
280-2	2TS 1/4" - 16				9204+91	9202+91	9223+91
280-4	4TS 1/4" - 16				8618+91	8600+91	8641+91
280-44	4CH 1/4"				5607+91	5603+91	1402(2)
280B-FT	FTM 1/4"				9104+91	9110+91	9128+91
280B-1	2TM 1/4"				9209+91	9211+91	9223+91
280B-2	2TS 1/4"				9209+91	9211+91	9223+91
280B-24	4TS 1/4"				8618+91	8606+91	8641+91
280B-44	4CH 1/4"				5607+91	5602+91	
282-3	3CH 1/2"				9361	9360	9370
282-4	4CH 1/2"				9461	9460	9470
284-8	8CH 1"				9881	9880	9890
284B-FT	FTM 1/4"				9104+91	9102+91	9128+91
284B-1	2TM 1/4"				9209+91	9211+91	9223+91
284B-2	2TS 1/4"				9209+91	9211+91	9223+91
284B-4	4CH 1/2"				9469	9476	9470
284B-24	2TS 1/4"				8618+91	8606+91	8641+91
284B-44	4CH 1/4"				5607+91	5602+91	
284B-8	8CH 1"				9882	9889	9890
285B-FT	FTM 1/4"				9104+91	9102+91	9128+91
285B-2	2TS 1/4"				9209+91	9211+91	9223+91
285B-24	4TS 1/4"				8618+91	8606+91	8641+91
288-8	8CH 1"				9881	9880	9890
288-12	12CH 1"				9981	9980	9986
288-16	16CH 2"				9992	9990	9996

L. J. SCULLY

LJ-10	2TM		P			9202	
LJ-10	2TS		P			9202	
LJ-10	4TS		P			8600	

STANCIL-HOFFMAN

R70/ARP76	FT				9105	9111	9125
R70/ARP76	2TM				8404	8403	8304
R70/ARP76	2TS				9205	9213	9226
R70/ARP76	4TS				8603	8608	8701
R70/ARP76	4CH				5601	5603	

TAPE-ATHON

CT-1, CT375, 720	2TM				Pair Heads	7405L	
						7404U	
720, 800	4TM/S					1201+66	
900	FT				9103+66	9119+66	9125+66
900-1	2TM				8401+66	8403+66	9222+66
900-2	2TS				9203+66	9213+66	9222+66
900-4	4TS				8604+66	8608+66	8701+66
900-L2	2T				9203+66	9213+66	9222+66
900-L2-8	8T 2CH				5832+66	5832+66	
900-L4	4T				8604+66	8608+66	8701+66
900-L4-4	4T				8604+66	8608+66	8701+66
900-L4-8	8T 4CH				5832+66	5832+66	
900-L8	8T				5832+66	5832+66	
900-L8-8	8T				5832+66	5832+66	
1000	FT				9103+66	9119+66	9125+66
1400	FT				9103+66	9119+66	9125+66

TEAC

TCA40	4CH				5604+85	5603+85	
TCA41	4CH				5604+85	5603+85	
TCA42	4CH				5604+85	5603+85	
105	FT				9103+85	9119+85	9127+66
105	2TS				9203+85	9213+85	9227+66
105	4TS				8604+85	8608+85	8640+66
110	FT				9103+85	9119+85	9127+66
110	2TS				9203+85	9213+85	9227+66
110	4TS				8604+85	8608+85	8640+66
200	4CH				5604+85	5603+85	

Model No.	Track Style & Notes	Ref. Notes	RP or RPE	4th Head or Combo	Record Head & QK	Playback Head & QK	Erase Head & QK
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TEAC (Continued)

310	FT					9103+85	9119+85	9127+66
310	2TS					9203+85	9213+85	9227+66
310	4TS					8604+85	8608+85	8640+66
340	FT					9103+85	9119+85	9126+66
340	2TS					9203+85	9213+85	9226+66
340	4TS - 41					8604+85	8608+85	8640+66
410	4CH					5604+85	5603+85	
505	FT					9103+84	9119+84	9127+66
505	2TS					9203+84	9213+84	9227+66
505	4TS					8604+84	8608+84	8640+66
700	FT					9103+85	9119+85	9126+66
700	2TS					9203+85	9213+85	9226+66
700	4TS - 41					8604+85	8608+85	8640+66
1000	FT					9103+85	9119+85	9126+66
1000	2TS					9203+85	9213+85	9226+66
1000	4TS - 41					8604+85	8608+85	8640+66
1200	2TS					9203+85	9213+85	9226+66
1200	4TS - 41					8604+85	8607+85	8640+66
1230	4TS					8604+85	8607+85	8640+66
1250	4TS		RE	6006+85		8607+85		
1300	4TS		RE	6006+84		8607+85		
1340	4CH					5604+85	5603+85	
1400	4TS					8604+85	8608+85	8640+66
1500	2TS					9203+85	9207+85	9226+66
1500	4TS - 41					8604+85	8607+85	8640+66
1600	2TS					9203+85	9207+85	9226+66
1600	4TS - 41					8604	8607+85	8640+66
2010	4TS - 41		RP	8607+85				8640+66
2020	4TS - 41		RP	8607+85				8640+66
2040	4TS - 41		RP	8607+85				8640+66
2050	4TS - 41		RP	8607+85				8640+66
2070	4TS - 41		RP	8607+85				8640+66
2080	4TS - 41		RP	8607+85				8640+66
2100	2TS					9203+85	9213+85	9226+66
2100	4TS - 41					8604+85	8608+85	8640+66
2300	2TS					9203+85	9213+85	9226+66
2300	4TS - 41					8604+85	8608+85	8640+66
2340	4CH					5604+85	5603+85	
2500	4TS		RE	6006+85		8607+85		
2520	4TS		RE	6006+85		8607+85		
3300	2TS					9203+85	9213+85	9226+66
3300	4TS					8604+85	8608+85	8640+66
3340	4CH					5604+85	5603+85	
4010	FT					9103+85	9119+85	9126+85
4010	2TS					9203+85	9213+85	9226+85
4010	4TS - 24					8604+85	8608+85	8640+66
4010SRA	4CH					5604+85	5603+85	
4020	4TS - 41		RP	8607+85				8640+66
4070	4TS		RE	6006+85		8607+85		
4300	4TS - 41					8604+85	8608+85	8640+66
5000	4TS - 41					8604+85	8608+85	8640+66
5010	4TS - 41					8604+85	8608+85	8640+66
5300	4TS - 41					8604+85	8608+85	8640+66
5500	4TS - 41					8604+85	8608+85	8640+66
6000	FT					9103+85	9119+85	9126+66
6000	2TS					9203+85	9213+85	9226+66
6000	4TS - 41					8604+85	8608+85	8640+66
6010	4TS - 24, 41					8604+85	8608+85	8640+66
6100	2TS				8608 (P)	9203+85	9213+85	9226+66
6300	2TS				8608 (P)	9203+85	9213+85	9226+66
7010	2TS					9203+85	9213+85	9226+66
7010	4TS					8604+85	8608+85	8640+66
7040	4CH					5604+85	5603+85	
7300	2TS					9203+85	9213+85	9226+85

TECHNICS (PANASONIC)

RS-1500-US	S2T		4TS P	8608+102	9203+102	9213+102	9227+102
RS-1506-US	4TS		2TS P	9213+102	8604+102	8608+102	

TELEX (VIKING) (Also see MAGNECORD)

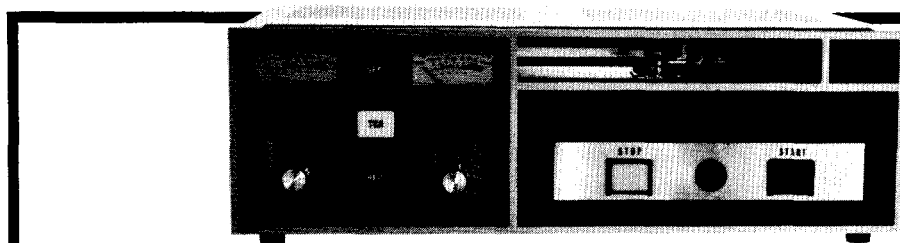
Studio 96	FT - 25				9105	9111	4400L
Studio 96	2TM - 25				3205	3201	3600L
Studio 96	2TS - 25				2005	9213	2200L
Studio 96	4TS - 25				1205	8608	1400L
Studio 96	FT - 26				9105	9111	4401L
Studio 96	2TM - 26				3203	3201	3601L
Studio 96	2TS - 26				9205	9213	2201L
Studio 96	4TS - 26				1203	8608	1401L
230	FT				9105	9111	4401L
230	2TM				3203	3201	3601L
230	2TS				2003	2001	2201L
230	4TS				1203	1201	1401L

VEGA

800	2TS		4TS	8609+76	9204+76	9209+76	9227+76
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Nortronics Tape Head Replacements and Conversion Guide for: Broadcast Cartridge Recorders

SECTION **B**



INTRODUCTION

Nortronics heads are standard as original equipment on most broadcast cartridge machines, and the tables in Section B should permit the selection of the correct replacement head for over 90% of the transports in existence. If the machine has a Nortronics head it can be identified by the OEM part number stamped on it, such as "P-B2H7K" or its equivalent RCD number "2001". Cross-reference between OEM and RCD numbers is given with Head Specs in Section F.

REPLACEMENT LISTING

1. The first column of the following machine/head listings gives the recorder model number and indicates if it is a Mono (2-channel heads) or a Stereo (3-channel) machine. Delay machines are always mono, but may use either single-channel or two-channel heads.
2. The second column gives the machine manufacturer's head part number, which probably will not be stamped on the head, but which will most likely appear in the parts list in the machine maintenance manual.
3. The third column gives *head function*. Each machine usually has two heads; one to *record program and cue*, and the other head to *play program and cue*. Mono recorders use the top channel for program and the lower channel for cue, utilizing two-channel heads. Early mono machines incorporated single channel heads, one to *record and play program*, and the other to *record and play cue*; no monitoring during recording was possible as in current "NAB Standard" machines. (See "NAB CONVERSION" below for possible modification to two-channel heads.)

Stereo machines use three-channel heads, with the program on the top two channels and cue on the lower. Play-only machines have only one active head, playback, and often place a dummy head in the record position to support the tape for better guidance.

Delay cartridge recorders generate the typical seven second time delay needed for live telephone talk shows. They use a special combination erase-record head next to the capstan, plus a normal play head located in the left position. The tape sequence is play, erase, record, delay, and again play. Early delay-only machines used single-channel heads, while the more recent machines have two channel heads so they can also be used for conventional playback and record.

4. The fourth column ("Mount Type") shows the mounting style of the original heads. The first cartridge machines used exclusively rear-mount heads with the 1/4-28 threaded mounting stud. Recent models use mostly no-mount heads which are easier to install and more convenient to adjust. Be sure to verify the head mounting style on your machine as it may have been converted to no-mount heads with the aid of a Nortronics QK-114 cartridge-mount kit.
5. The fifth column ("Orig. Head") indicates the Nortronics RCD head number to replace the original equipment heads. In some cases a two-channel head is specified as a replacement instead of the original single-channel head furnished on early recorders; if so, use only one channel of the head. Note that the part number for a rear-mount head is derived by adding 50 to the equivalent no-mount head, i.e. 2001 becomes the 2051 rear-mount head.
6. The sixth column ("Duracore") indicates the equivalent long-wear Duracore head, when available, and is usually the regular head number with the letter D added. Some machines are supplied with Duracore heads as original equipment.
7. The seventh column ("No-Mount Conversion") shows the heads and Quik-Kit to convert from rear-mount heads to no-mount, when practical and feasible. On certain Harris and RCA machines, as indicated in the application notes, conversion is not recommended.

NAB CONVERSION

The very early cartridge machines equipped with single-channel heads can sometimes be converted to "NAB monitor" by replacing the single-channel heads with two-channel types. However, this requires modification of the electronics to separate the record and playback functions, and can be a fairly difficult task. Write to NORTRONICS RCD giving make and model of recorder and we will try to give assistance when possible.

CAUTION

Care should be taken to avoid striking the face of the tape heads with any hard object and this does include the cartridge itself, which can dent the head face if inserted at an angle. Use of a hold-down spring and side-guide rail is highly recommended.

Penetration of the head into the cartridge should be set at 9/32-in. Excessive penetration will cause faster head wear and possible tape skewing.

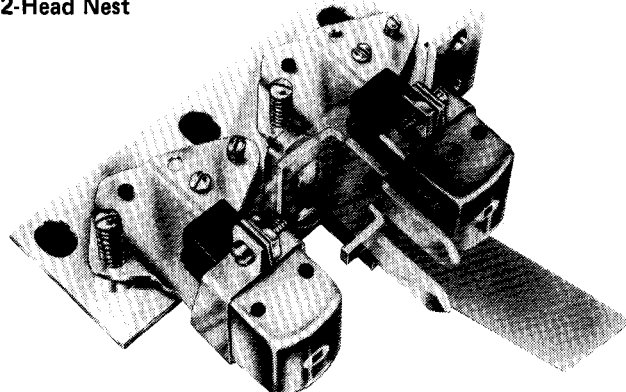
QUIK-KITS

QK-114 installs two no-mount B-size heads on a cartridge transport. It includes micrometer adjustments for head position, a cartridge hold-down spring, and side-guide rail to control cartridge insertion.

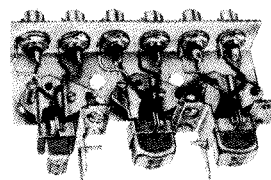
QK-110 installs two no-mount B-size heads, with provision for third head. Third bracket not included—order QK-112 if needed. Includes phono jacks and head plugs, plus cartridge side-guide rail and hold-down spring.

QK-112 is the single B-size head bracket and mounting screws to fit either QK-100 or QK-114.

**QK-114 Type
2-Head Nest**



**QK-110 Type
3-Head Nest**



Tape Head Replacements for: Broadcast Cartridge Recorders

RECORDER MANUFACTURER AND MODEL	ORIGINAL HEADS			NORTRONICS REPLACEMENT			SPECIAL NOTES
	Mfg. Head No.	Head Function	Mount Type	Original Head	Dura- core	No-Mount Conversion	

AMPRO (INSTATAPE)

CT-2500, 3500, 4500 5500 Series Mono	9086-1 9103-1	Record Program & Cue Play Program & Cue	No Mount	2010 2001	2010D 2001D		Play-only machines have no record head. Use 7605 for dummy record head.
CT-2500, 3500, 4500, 5500 Series Stereo	9085-1 9102-1	Record Program & Cue Play Program & Cue	No Mount	5710 5701	— 5701D		

ATC (GATES) (Also see HARRIS)

Criterion CP11, CP12, CP13 Mono	20-1014 20-1011	Record Program & Cue Play Program & Cue	Rear Mount	2053 2057	2053D 2057D	*	Play-only machines have no record head. Use 7605 for dummy record head.
Criterion CP11, CP12, CP13 Stereo	20-1016 20-1015	Record Program & Cue Play Program & Cue	Rear Mount	5753 5757	5753D —	*	
P150, P190, PB150, PB190, PC150, PC190 Mono	20-1001 20-1001	Record/Play Program Record/Play Cue	Rear Mount	2051 2050		2001 2000 ¹¹⁴	*Conversion to No- Mount heads not recommended.

AUDI-CORD

100, 101 Mono		Dummy Head* Play	No Mount	7605 2001	7605D 2001D		*Play-only machines substitute dummy head for record head.
105, 106 Stereo		Dummy Head* Play	No Mount	7605 5701	7605D 5701D		
110, 111 Mono		Record Play	No Mount	2003 2001	2003D 2001D		
115, 116 Stereo		Record Play	No Mount	5703 5701	5703D 5701D		
120, 121 Mono		Record Play	No Mount	2003 2001	2003D 2001D		
125, 126 Stereo		Record Play	No Mount	5703 5701	5703D 5701D		
130, 132, 134, 136 Network Delay		Play	No Mount	2000			
131, 133, 135, 137 Delay	P-A2H44R	Erase/Record Play	No Mount	6101 2001	2001D		
140, 141 Mono		Play	No Mount	2001	2001D		
145, 146 Stereo		Play	No Mount	5701	5701D		
127 4-Chan.		Record Play	No Mount	5601 5603			

BEAUCART (UMC ELECTRONICS)

11-X1X-XXX Mono	BH-1001 BH-3001	Dummy Head* Play	No Mount	7605 2001	7605D 2001D		*Play-only machines substitute dummy head for record head.
11-X2X-XXX Stereo	BH-1001 BH-5001	Dummy Head* Play	No Mount	7605 5701	7605D 5701D		
12-X1X-XXX Mono	BH-2001 BH-3001	Record Play	No Mount	2003 2001	2003D 2001D		
12-X2X-XXX Stereo	BH-4001 BH-5001	Record Play	No Mount	5703 5701	5703D 5701D		
13-X1X-XXX Mono	BH-1001 BH-3001	Dummy Head* Play	No Mount	7605 2001	7605D 2001D		
13-X2X-XXX Stereo	BH-1001 BH-5001	Dummy Head* Play	No Mount	7605 5701	7605D 5701D		
14-X1X-XXX Mono	BH-2001 BH-3001	Record Play	No Mount	2003 2001	2003D 2001D		
14-X2X-XXX Stereo	BH-4001 BH-5001	Record Play	No Mount	5703 5701	5703D 5701D		
21-X1X-XXX Mono	BH-1001 BH-3001	Dummy Head* Play	No Mount	7605 2001	7605D 2001D		

Tape Head Replacements for: Broadcast Cartridge Recorders

RECORDER MANUFACTURER AND MODEL	ORIGINAL HEADS			NORTRONICS REPLACEMENT			SPECIAL NOTES
	Mfgr. Head No.	Head Function	Mount Type	Original Head	Dura- core	No-Mount Conversion	

BEAUCART (UMC ELECTRONICS) Continued

21-X2X-XXX	Stereo	BH-1001 BH-5001	Dummy Head* Play	No Mount	7605 5701	7605D 5701D	*Play-only machines substitute dummy head for record head.
22-X1X-XXX	Mono	BH-2001 BH-3001	Record Play	No Mount	2003 2001	2003D 2001D	
22-X1X-011	Mono Delay	BH-2001 P-A2H44R BH-3001	Record Erase/Record Play	No Mount	2003 6101 2001	2003D 6101 2001D	
22-X1X-021	Mono Delay	BH-2001 B1EF4J BH-3001	Record Erase Play	No Mount	2003 8104 2001	2003D 2001D	
22-X2X-XXX	Stereo	BH-4001 BH-5001	Record Play	No Mount	5703 5701	5703D 5701D	
22-X5X-XXX	Stereo	BH-4005 BH-5001	Record Play	No Mount	— 5701	5701D	
41-X1X-XXX	Mono	BH-3001	Play	No Mount	2001	2001D	
42-X1X-XXX	Mono	BH-2001 BH-3001	Record Play	No Mount	2003 2001	2003D 2001D	

COLLINS

P150, P190, PB150, PB190	Mono	235-0012 235-0012	Record/Play Program Record/Play Cue	Rear Mount	2051 2050		2001 } 114 2000 }	Requires circuit modification. See Nortronics Form 7213
642A-1, 642A-2	Mono	235-0012 235-0012	Record/Play Program Record/Play Cue	Rear Mount	2051 2050		2001 } 114 2000 }	Play-only machines have no record head. For dummy head use #7605.
642E-1	Mono	020-8000-040 020-8000-030	Record Program & Cue Play Program & Cue	No Mount	2003 2007	2003D 2007D		
642E-2	Stereo	020-8000-010 020-8000-020	Record Program & Cue Play Program & Cue	No Mount	5703 5707	5703D		

CUEMASTER (CEI)

CT85, 751, 753, 754, 756, 757, 903, 906, Cuerac	Mono		Erase/Rec. Prog. & Cue Play Program & Cue	Rear Mount	6151 2050			Play-only machines have no record head. For dummy head use #7605.
983, 986, Cuerac	Stereo		Record Program & Cue Play Program & Cue	Rear Mount	5753 5751	5753D 5751D		

HARRIS (GATES) (ATC)

M5944	Mono	730-0329 730-0330	R/P — Program R/P — Cue	Rear Mount	2051 2050	— —	2001 } 114 2000 }	NOTES: 1. Play units take play head only. 2. Additional head numbers in Section E. 3. Use #7605 for dummy record head. 4. Conversion to No-Mount heads not recommended.
M6211, M6213	Mono	730-0343 730-0423	Record-Program & Cue Play-Program & Cue ¹	Rear Mount	2052 2052 ¹	2052D 2052D ¹	2002D } 114 2002D }	
M6212, M6214	Stereo	730-0726 730-0727	Record-Program & Cue Play-Program & Cue ¹	Rear Mount	5753 5751 ¹	5753D 5751D ¹	5703 } 114 5701 }	
Criterion I, II, III Compact	Mono	730-1429 730-1376	Record-Program & Cue Play-Program & Cue ¹	No Mount	2003 2007 ¹	2003D 2007D ¹		
Criterion I, II, III Compact	Stereo	730-0730 730-1371	Record-Program & Cue Play-Program & Cue ¹	No Mount	5703 5707 ¹	5703D 5701D ¹		
Criterion 80	Mono	730-1155 730-1153	Record-Program & Cue Play-Program & Cue ¹	Rear Mount	2053 2057 ¹	2053D 2051D ¹	Note 4.	
Criterion 80	Stereo	730-1157 730-1156	Record-Program & Cue Play-Program & Cue ¹	Rear Mount	5753 5757 ¹	5753D 5751D ¹	Note 4.	
Criterion 90	Mono	730-1429 730-1376	Record-Program & Cue Play-Program & Cue ¹	No Mount	2003 2007 ¹	2003D 2001D ¹		
Criterion 90	Stereo	730-0730 730-1371	Record-Program & Cue Play-Program & Cue ¹	No Mount	5703 5707 ¹	5703D 5701D ¹		
KSP-10	Delay	730-1439 730-1376	Combo Erase/Record Play	No Mount	6103 2007			

Tape Head Replacements for: Broadcast Cartridge Recorders

RECORDER MANUFACTURER AND MODEL	ORIGINAL HEADS			NORTRONICS REPLACEMENT			SPECIAL NOTES
	Mfgr. Head No.	Head Function	Mount Type	Original Head	Dura- core	No-Mount Conversion	

INTERNATIONAL TAPETRONICS (ITC)

Encore Series	Mono	504-0006 504-0001 504-0003	Playback Dummy Head* Record	No Mount	2001 7605 2003	2001D 7605D 2003D	*Play-only machines substitute dummy head for record head. **Original heads are Duracore.
PD-II Series	Mono	504-0020 504-0021	Playback Record	No Mount	2001 2003	2001D 2003D	
RP Series SP Series WP Series	Mono	504-0002 504-0001 504-0003	Playback Dummy Head* Record	No Mount	—** — —	2001D 7605D 2003D	
RP Series SP Series WP Series	Stereo	504-0004 504-0001 504-0005	Playback Dummy Head* Record	No Mount	—** — —	5701D 7605D 5703D	
RPD Series	Delay	504-0011 504-0002	Combo Erase/Record Playback	No Mount	6101 —	— 2001D	
3D Series	Mono	504-0002 504-0001 504-0003	Playback Dummy Head* Record	No Mount	—** — —	2001D 7605D 2003D	
3D Series	Stereo	504-0004 504-0001 504-0005	Playback Dummy Head* Record	No Mount	—** — —	5701D 7605D 5703D	

MACARTA (See SMC)

RAPID-Q (EDCO) (GARRON) (STACOR)

RQ Series	Mono		Record Playback ¹	No Mount	2003 2002	2003D 2002D	1. Play-only machines have no record head. For dummy head use #7605.
RQ Series	Stereo		Record Playback ¹	No Mount	5703 5702	5703D	

RCA

RT-7A ²	Mono	223320 223320	Record/Play Program ⁴ Record/Play Cue	Rear Mount	2051 2051		2001 } 1142 2001 }	1. Program head is next to the capstan. 2. NAB monitor con- version of RT-7 series to two-chan- nel heads is des- cribed in Nortronics Form #7407. Order a copy from RCD Div. of Nortronics. Different heads are specified from those on this sheet. 3. Quik-Kit conver- sion to No-Mount heads is not recom- mended. 4. Play-only machines have no record head. Use #7605 for dummy head, (No-Mount) or 7655 (Rear Mount). 5. "A" Series takes different record head from older "non-A" machines.
RT-7B, RT-7C, RT-7D ²	Mono	226517 223320	Record/Play Program ⁴ Record/Play Cue	Rear Mount	2052 2051		2002 } 1142 2001 }	
RT-8, RT-17, RT-27, RT-37	Mono	231290 231290	Record Program & Cue ⁴ Play Program & Cue	Rear Mount	2052 2052	2052D 2052D	Note 3.	
RT-8, RT-17, RT-27, RT-37	Stereo	231289 231289	Record Program & Cue ⁴ Play Program & Cue	Rear Mount	5752 5752		Note 3.	
RT-125, RT-126, RT-127	Mono	Note 5.	Record Program & Cue ⁴ Play Program & Cue	No Mount	2010 2001	2010D 2001D		
RT-125, RT-126, RT-127	Stereo	Note 5.	Record Program & Cue ⁴ Play Program & Cue	No Mount	5710 5701	5701D		
RT-125A, RT-126A, RT-127A	Mono	Note 5.	Record Program & Cue ⁴ Play Program & Cue	No Mount	2003 2001	2003D 2001D		
RT-125A, RT-126A, RT-127A	Stereo	Note 5.	Record Program & Cue ⁴ Play Program & Cue	No Mount	5703 5701	5703D 5701D		

SCHAFER (CETEC)

Audiofile	Mono	P-B2H4R P-B2H7K	Record-Program & Cue Play-Program & Cue	No Mount	2003 2001	2003D 2001D	Play-only machines have no record head. For dummy head use #7605.
Audiofile	Stereo	P-B3Q4R P-B3Q7K	Record-Program & Cue Play-Program & Cue	No Mount	5703 5701	5703D 5701D	

Tape Head Replacements for: Broadcast Cartridge Recorders

RECORDER MANUFACTURER AND MODEL	ORIGINAL HEADS			NORTRONICS REPLACEMENT			SPECIAL NOTES
	Mfgr. Head No.	Head Function	Mount Type	Original Head	Dura- core	No-Mount Conversion	

SMC (MACARTA) (SONO-MAG)

105/108	Mono	P-G1H7K-N P-G1H7K-N	Record/Play Program Record/Play Cue	No Mount	2001 2001	2001D 2001D	Notes 1, 2	NOTES: 1. QK-114 needed if machine has rear-mount heads. 2. Play-only machines have no record head. Use #7605 for dummy head.
208	4T Stereo	P-B2Q7K	Play Program	No Mount	8608		Notes 1, 2	
245 & 248 & 250 Carousel, 500, 510, 710, 721, 790 Caro-Stat, Mark II	Mono	P-B2H2K	Play, Program & Cue	No Mount	2000		Notes 1, 2	
245-2 & 248-2 & 252 Carousel, 502, 512, 572, 712, 722, 792, Mark II	Stereo	P-B3Q7K	Play, Program & Cue	No Mount	5701	5701D	Notes 1, 2	
560, 570, 590, 770, 790	Mono	P-B2H4R P-B2H7K	Record, Program & Cue Play, Program & Cue	No Mount	2003 2001	2003D 2001D	Note 1	
572, 592, 772, 792	Stereo	P-B3Q4R P-B3Q7K	Record, Program & Cue Play, Program & Cue	No Mount	5703 5701	5703D 5701D	Note 1	
593, 793	Delay Mono	P-A1HC44R P-B1HY2K	Erase/Record Program Play Program	No Mount	6126 2600			
2405/2408 Carousel	Mono	P-G1H7K-N P-G1H7K-N	Play Program Play Cue	No Mount	2001		Notes 1, 2	

SPARTA (CETEC)

CD 15-2	Delay	895-0030 895-0020	R/P/E (Combo Head) Play	No Mount	6127 2601		QK-114 ²	NOTES: 1. Playback units take play head only. 2. Early units with rear mount heads need QK. 3. For dummy head use #7605.
BP11, BP22, BP22B, BP22C, CP-5, Play, Port.	Mono	895-0024	Play-Program & Cue	Side Mount	2001+38			
200P, 200RP, 300P, 300RP	Mono	895-0022 895-0022	Record/Play-Program Record/Play-Cue	Rear Mount	2051 2051		2001 } 114 2001 }	
MC104, 300B, 300C, 400P, 400RP, 800P, 800RP, 4510, 4515, 4610, 4615, Century	Mono	895-0010 895-0020	Record-Program & Cue Play-Program & Cue	No Mount	2003 2001 ¹	2003D 2001D		
MC204, 200P, 200RP 600P, 600RP, 4520, 4620, 4625, Century	Stereo	895-0040 895-0042	Record-Program & Cue Play-Program & Cue	No Mount	5703 5701 ¹	5703D 5701D	QK-114 ²	

SPOTMASTER (BROADCAST ELECTRONICS)

303, 305, 400 405, 500, 505 605, 610, 1070, three/70, 2000	Mono	DM2RB DM1B ¹	Record-Program & Cue Play-Program & Cue	Rear Mount	2053 2051 ¹	2053D 2051D ¹	2003 } 114 2001 }	NOTES: 1. Play units take play heads only. 2. Special narrow "C" size (3/8" wide) heads used on some models. Use only where needed. 3. Early units. 4. Later units furnished with Dura-core heads. 5. Additional head part numbers in Section E.
		DM2RC ² DM1C ²	Record-Program & Cue Play-Program & Cue	Rear Mount	7252 ² 7251 ²	— —		
303, 305, 500, 605, 610, 1070RPS, 2000	Stereo	DM3RB D1SA ¹	Record-Program & Cue Play-Program & Cue	Rear Mount	5753 5751 ¹	5753D 5751D		
		DM3RC ²	Record-Program & Cue	Rear Mount	7253 ²	—		
3000, 4000, 5000, 5300, 5500	Mono	M1R ³ M1P ^{1,3}	Record-Program & Cue Play-Program & Cue	No Mount	2003 ³ 2001 ^{1,3}	2003D 2001D		
		LMR ⁴ LMP ^{1,4}	Record-Program & Cue Play-Program & Cue	No Mount	— —	2003D ⁴ 2001D ^{1,4}		
3000, 4000, 5000, 5300, 5500	Stereo	S1R ³ S1P ^{1,3}	Record-Program & Cue Play-Program & Cue	No Mount	5703 ³ 5701 ^{1,3}	5703D 5701D		
		LSR ⁴ LSP ^{1,4}	Record-Program & Cue Play-Program & Cue	No Mount	— —	5703D ⁴ 5701D ^{1,4}		
500, 1070	Delay	DL2C DM1B	Combo Erase-Record Play-Program & Cue	Rear Mount	6151 2051	— 2051D	6101 } 114 2001 }	
3000	Delay	DL2D LMP	Combo Erase-Record Play-Program & Cue	No Mount	6101 —	— 2001D		

Tape Head Replacements for: Broadcast Cartridge Recorders

RECORDER MANUFACTURER AND MODEL	ORIGINAL HEADS			NORTRONICS REPLACEMENT			SPECIAL NOTES
	Mfgr. Head No.	Head Function	Mount Type	Original Head	Dura- core	No-Mount Conversion	

TAPECASTER

600P, 600RP	Mono	P-G1H7K-R G1H2K-R	Record/Play-Program Record/Play-Cue	Rear Mount	2051 2050		2001 } 114 2000 }	Older vacuum tube models will take the same heads listed. NOTES: 1. Mono record and play heads are same type. 2. Play-only and stereo machines have dummy head in left position. 3. Either "R" (short stud) or "R6" (long stud) rear mount heads will fit 700 series. 4. Only "R6" (long stud) heads will fit X700 series and precision head bracket.
700P, 700RP	Mono	P-B2H7K-R ³ P-B2H7K-R6	Record & Play ^{1,2} (2 heads, same)	Rear Mount	2051 ¹ 2056	or	2001 ¹ } 114 2001 }	
700PS, 700RPS	Stereo	P-B3Q7K-R ³ P-B3Q7K-R6	R/P-Program & Cue ² (1 head only) ²	Rear Mount	5751 5754	or	5701+114	
X700P, X700RP	Mono	P-B2H7K-R6 ⁴ P-B2H7K-R6	Record-Program & Cue Play-Program & Cue ²	Rear Mount	2056 ⁴ 2056			
X700PS, X700RPS	Stereo	P-B3Q7K-R6 ⁴	R/P-Program & Cue ² (1 head only)	Rear Mount	5754 ⁴			
700RPD, X700RPD	Delay	P-A2H47K-R6 ⁴ P-B2H7K-R6	Rec/Erase-Prog. & Cue Play-Program & Cue	Rear Mount	6152 2056			
Dummy Head ² (used on Mono-play and on Stereo units)				Rear Mount	7655			
				No Mount	7605			

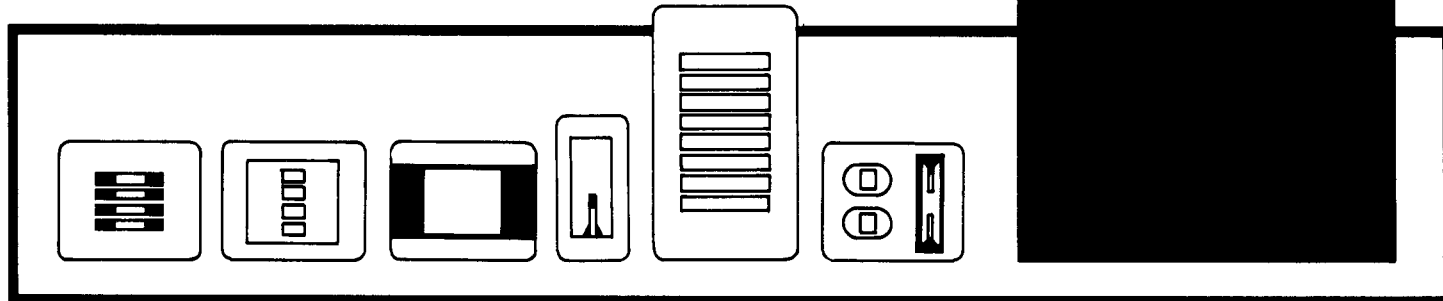
TELEX/MAGNECORD

MC-P3	Mono	55748 55742	Play-Program & Cue Dummy Head	No Mount	2001D 7605D	2001D 7605D		
MC-PR3	Mono	55747 55748	Record-Program & Cue Play-Program & Cue	No Mount	2003D 2001D	2003D 2001D		
MC-PS3	Stereo	55746 55742	Play-Program & Cue Dummy Head	No Mount	5701D 7605D	5701D 7605D		
MC-PRS3	Stereo	55745 55746	Record-Program & Cue Play-Program & Cue	No Mount	5703D 5701D	5703D 5701D		

Nortronics Tape Head Replacements for: Duplicators/Copiers

SECTION C

This section lists Nortronics replacement heads by manufacturer's model number of machine. Particular attention should be noted to confirm track style and application. See also Section E.



NOTE: "D" indicates long life Duracore Heads.

Model No.	Track & Ref. Style Notes	Master Play Head & QK	Slave Record Head & QK	Erase Head
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AMPEX

PD-10	2TS R-R	9211/9211D+87	9214/9214D+87	
PD-10	4TS R-R	8606+87	8614+87	
PD-10	FTM R-R	9110+87	9113+87	
3200	2TM R-R	8409+76	8414+76	
3200	2TS/M R-R	9206/9206D+76	9214/9214D+76	
3200	FTM R-R	9109/9209D+76	9113/9113D+76	
3200	4TS R-R	8610+76	8614+76	
3200	4CH 8T	5840+76	5843+76	
3200	2T CASS - 31	9206/9206D+76	5220D+76	
3200	4T CASS - 31	5606+76	5417D+76	
3300	- 46			
3400	- 46			

AUDIOTRONICS (ATC)

AV-132	2TM R-R	8402+38	8401+38	
AV-132	FTM R-R	8402+38	9204+38	
AV-132B	2TM R-R	8402+38	8401+38	
AV-132C	4TS R-R	8610+38	8604+38	

BECHT

BE900	8T R-R SL		5810 (4)	
BE910	8T R-R SL		5810 (4)	
BE1000	8T R-R MAS	5800 (4)		
BE1010	8T R-R MAS	5800 (4)		
BE1910	8T CART SL		5841 (2)	
BE2010	8T CART MAS	5842 (2)		
BE2900	4CH CASS SL		5411/5411D	
BE3000	4CH CASS MAS	5410/5410D		

CETEC

Copy-Cass II	2/4T C-C	5413D	5412/5412D	
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GARNER

1056	FTM R-R	9106/9109D	9104/9104D	
1056	2T 1/4" R-R	9206/9206D	9204/9204D	

GRINDLEY (TAD)

R-1017	2T 1/4" R-M-C	9206/9206D	5201/5201D	
R-1017	4T 1/4" R-M-C	5606	5411/5411D	
R-1017	FTM 1/4" R-R	9206/9206D	9103/9103D	
R-1017	2T 1/4" R-R	9206/9206D	9203/9203D	

INFONICS

CC-2	2T C-C	5205/5205D	5201/5201D	
CC-4	4T C-C	5413/5413D	5411/5411D	
CS-2	2T CAS SL	5201/5201D	5201/5201D	
CS-4	4T CAS SL	5411/5411D	5411/5411D	
D-8	8T 1/4" R-R	5890	5891	
RC-2	2T 1/4" R-C	8210/9206D	5201/5201D	
RC-4	4T 1/4" R-C	5606	5411/5411D	
RCC-2	2T 1/4" R/C-C	8210/9206D	5201/5201D	
		5205/5205D		
RCC-4	4T 1/4" R/C-C	5606	5411/5411D	
		5413/5413D		
RR-1	FT 1/4" R-R	9156	9164	
RR-2	2T 1/4" R-R	8260	8251	
RR-4	4T 1/4" R-R	5656	5654	
RS-2	2T 1/4" R SL		8251	
RS-4	4T 1/4" R SL		5654	
74M	FT 1/4" R-R	9156	9153	

Model No.	Track & Ref. Style Notes	Master Play Head & QK	Slave Record Head & QK	Erase Head
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INFONICS (Continued)

74S	2T 1/4" R-R	8260	8251	
102	2T C-C	5205/5205D	5201/5201D	
202	2T 1/4" R/C-C	8210/9206D	5201/5201D	
		5205/5205D		
204	4T 1/2" R/C-C	5606	5411/5411D	
		5413/5413D		
212	2T 1/4" R MAS	8210/9206D		
214	4T 1/4" R MAS	5606		
252	2T C SL		5220D	
254	4T C SL		5417D	
272	2T R SL		9214D	
274	4T R SL		5607	
292	2T 1/4" R MAS	8210/9206D		
294	4T 1/4" R MAS	5606		
352	2T CAS SL		5220D	
354	4T C SL		5417D	

INTERNATIONAL AUDIO (ALPHA)

ALPHA 21	2T C-C	5205/5205D	5220/5220D	
ALPHA 22	2T C SL		5220/5220D	
ALPHA 41	4T C-C	5413D	5417D	
ALPHA 44	4T C SL		5417D	

LYREC

P-2000	2T 1/4" BM-CT	8609	5225	9118 (Mon.)
P-2000	4T 1/2" BM-CT	9477	5415D	9118 (Mon.)
P-2000	4T 1/4" BM-CT	8609 (2)	5415D	9118 (Mon.)

MAGNECORD (TELEX)

1000D-DMT	2T R-R	9211/9211D	2004	
1000D-DST	4TS R-R	8610	8614	

MAGNEFAX

Tube Types	FT R-R	2608/2608D	9103/9103D	
Tubes	2T 1/4" R-R	9206/9206D	9203/9203D	
Tubes	4T 1/4" R-R	5606	5607	
Solid State	FT R-R	2608/2608D	9104/9104D	
Solid State	2T 1/4" R-R	9206/9206D	9204/9204D	
Solid State	4T 1/4" R-R	5606	5607	
Solid State	2T CAS R-R	8610	5220D	
Solid State	4T CAS R-R	8610 (2)	5417D	

MCA

521	2T C-C	5205/5205D	5225	5212
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PENTAGON

C-1	2T C-C	5221D	5201D	
C-4	4T C-C	5413D	5411D	
C-8	8T 1/4" MAS - 42	5847/5848	5845/5846	
C-8	8T 1/4" SL - 42		5845/5846	
C-32	2T C-C	5221D	5201D	
C-34	4T C-C	5413D	5411D	
C-100	2T C-C	5221D	5201D	
C-120	2T C-C	5205/5205D	5201/5201D	
C-140	4T C-C	5413/5413D	5411/5411D	
C-320	2T C-C	5205/5205D	5201/5201D	
C-340	4T C-C	5413/5413D	5411/5411D	
C-400	4T C-C	5413D	5411D	
C-1000	2T 1/4" R-C	9210/9206D	5201/5201D	

Nortronics Tape Head Replacements for: Duplicators/Copiers

NOTE: "D" indicates long life Duracore Heads.

Model No.	Track Style & Ref. Notes	Master Play Head & QK	Slave Record Head & QK	Erase Head
PENTAGON (Continued)				
C-1320	2T 1/4" R-C-C	9210/9206D 5205/5205D	5201/5201D	
C-1323	2T 1/4" RR-CC	9210/9206D 5205/5205D	9203/9203D 5201/5201D	
C-1343	4T 1/4" RR-CC	5606 5413/5413D	5604 5411/5411D	
C-1400	4T 1/4" R-C	5606	5411/5411D	
C-5400	4T 1/2" R-C	9468	5411/5411D	
CC-1120	2T C-C	5221D	5201D	
CC-1140	4T C-C	5413D	5411D	
CM-1200	2T C MAS	5205/5205D		
CM-1400	4T C MAS	5413/5413D		
CM-2000	2T C MAS	5205/5205D		
CM-4000	4T C MAS	5413/5413D		
CS-420	2T C SL		5201/5201D	
CS-440	4T C SL		5411/5411D	
CS-1120	2T C SL		5201D	
CS-1140	4T C SL		5411D	
RC-1120	2T 1/4" R-C	9210/9206D	5201	
RC-1140	4T 1/4" R-C	5606	5411D	
RCC-1120	2T 1/4" R-C-C	9210/9206D 5221D	5201D	
RCC-1140	4T 1/4" R-C-C	5606/5413D	5411D	
RM-1120	2T 1/4" R-MAS	9210/9206D		
RM-1140	4T 1/4" R-MAS	5606		
RM-1200	2T 1/4" R MAS	9210/9206D		
RM-1400	4T 1/4" R MAS	5606		
RME-2210	2T 1/4" R MAS	9210/9206D		
RME-2410	4T 1/4" R MAS	5606		
RME-2810	8T 1/4" R MAS	5840		
RME-2850	8T 1" R MAS	9886		
RMT-2250	2T 1/4" R MAS	9210/9206D	9203/9203D	
RMT-4250	4T 1/4" R MAS	5606	5604	
RS-1120	2T 1/4" R SL		9203/9203D	
RS-1140	4T 1/4" R SL		5604	
RS-1200	2T .15" R SL		5201/5201D	
RS-1210	2T .15" R SL		5201/5201D	
RS-1400	4T .15" R SL		5413/5413D	
RS-1410	4T .15" R SL		5413/5413D	
RS-2150	2T .15" R SL		5201/5201D	
RS-2210	2T .15" R SL		5201/5201D	
RS-2250	2T 1/4" R SL		9203/9203D	
RS-2400	4T 1/4" R SL		5604	
RS-2410	4T 1/4" R SL		5604	
RS-2810	8T 1/4" R SL		5841	
RS-2818	8T 1/4" R SL		5841	
RS-4150	4T .15" R SL		5413/5413D	
RS-4250	4T 1/4" R SL		5604	
S-140	4T C SL		5411/5411D	
S-1000	2T C SL		5201/5201D	
S-1400	4T C SL		5411/5411D	
SCC-2150	2T C-C	5205/5205D	5201/5201D	
SCC-4150	4T C-C	5413/5413D	5411/5411D	
SRCC-2250	2T 1/4" R-C-C	9210/9206D 5205/5205D	5201/5201D	
SRCC-4250	4T 1/4" R-C-C	5606 5413/5413D	5411/5411D	

RAWDON-SMITH (MULTITAPE)

10HHN Dup.	2T R-R	9206/9206D	9203/9203D	
1214	FT R-R	9109/9109D	9103/9103D	
1215	2T 1/4" R-R	9206/9206D	9203/9203D	

Model No.	Track Style & Ref. Notes	Master Play Head & QK	Slave Record Head & QK	Erase Head
RAWDON-SMITH (MULTITAPE) (Continued)				
1224	FT R-R	9109/9109D	9103/9103D	
1225	2T 1/4" R-R	9206/9206D	9203/9203D	
1225	4T 1/4" R-R	5606	5604	
3421	2T C-C	5205/5205D	5201/5201D	
3422	2T C-C	5205/5205D	5201/5205D	

RECORDEX

CS-200	2T C-C	5206	5201/5201D	
CS-203	2T C-C	5205/5205D	5201/5201D	5214
CS-403	4T C-C	5413/5413D	5411/5411D	5214
CS-2000	2T C-C	5206	5201/5201D	
CS-2500	2T C-C	5205/5205D	5201/5201D	5214
CS-4000	4T C-C	5410/5410D	5411/5411D	
DUP I	4T C-C	5413/5413D	5411/5411D	5214
DUP II	2T C-C	5205/5205D	5220/5220D	5214
GT 2A	2T 1/4" RM	9206/9206D+38		
GT 2AS	2T 1/4" R SL		9204/9204D-38	
GT 4A	4T 1/4" RM	8610+38		
GT 4AS	4T 1/4" R SL		8604+38	
SUPER PRO 30	2T C-C	5205/5205D	5220/5220D	5214
SUPER PRO 30	4T C-C	5413/5413D	5411/5411D	5214

TAD (See GRINDLEY)

TELEX

COPIER I	2T CM-C	5223	5224D	5214
COPIER II	2T C SL		5224D	5214
COPIER IV	4T CM-C	5415	5414D	5214
COPIER V	4T C SL		5414D	5214
ECON. COP.	2T CM-C	5223	5224D	
300				
86476	2T 1/4" RM-C	9206/9206D	5201/5201D	5213
300				
86835	4T 1/4" RM-C	5606	5411/5411D	5213
300				
87113-03	2T CM-C	5205/5205D	5201/5201D	5213
300				
87113-06	4T CM-C	5413/5413D	5411/5411D	5213
300				
86781	2T 1/4" RM-R	9206/9206D	9203/9203D	
300				
86782	FT 1/4" RM-R	9109/9109D	9103/9103D	
235				
235	4TS 1/4" RM-R	8606	8603	
235	4CH 1/4" RM-R	5602	5604	
235	2T 1/4" RM-R	9211/9211D	9203/9303D	
235	FT 1/4" RM-R	9110/9110D	9103/9103D	
235	2T C-C	5206	5201/5201D	

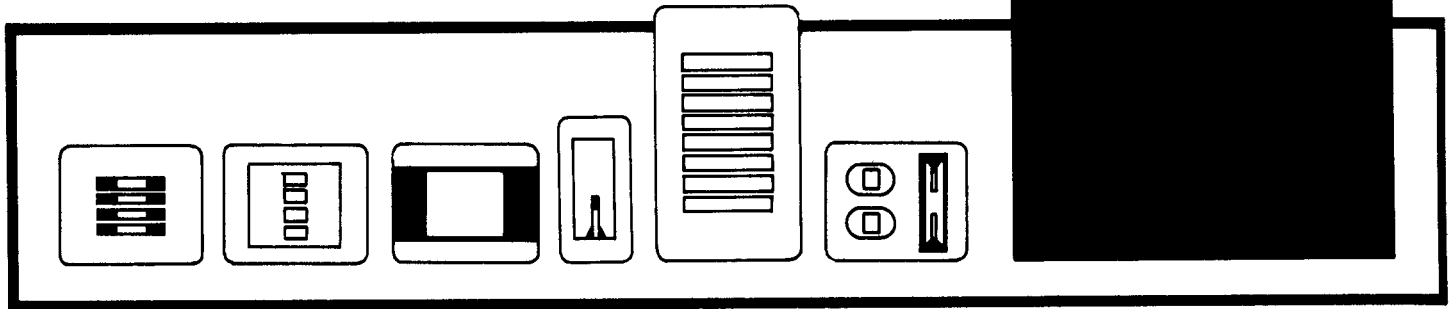
WOLLENSAK - 3M

1520 AV	2TM R-R	RPE-22		
2750 AV	2T CAS MAS	5205/5205D		
2760 AV	2T C SL		5201/5201D	
2270 AV	2T C MAS	5221/5221D		
2780 AV	2T C SL		5220/5220D	
6030 AV	2T 1/4" R MAS	9206/9206D		

Nortronics Tape Head Replacements for: Specialized Audio

This section covers those unique applications such as aircraft recorders, reverberation units, telephone answering systems, etc. Listing is by manufacturer's machine model number. See also Section E.

SECTION D



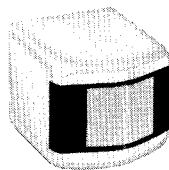
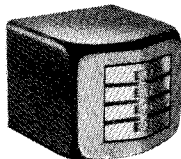
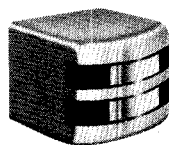
Model No.	Track Style & Notes	Ref. Notes	RP or RPE	4th Head or Combo	Record Head & QK	Playback Head & QK	Erase Head & QK
AMEGA (RANGERTONE) (16-mm Film Recorder)							
Up to 1973	200-mil - 48				9105	9111	8104
After 1973	200-mil - 48				9109	9109	8104
COLLINS (Cockpit Recorder)							
642C-1	4CH 1/4" CART				5613/ BQQ4R	5614/ BQQ4L	4408
ECHOPLEX (MAESTRO, GIBSON, SIREKO) Reverb.							
EM-1	2TM S.S.				6183	7456	
EP-2	2TM Tubes				6179	7456	
EP-3	2TM S.S.				6183	7456	
ES-1	2TM S.S.				6183	7456	
FAIRCHILD (Cockpit Recorder)							
A-100	4CH 1/4" CART				5611/ BQQ4R	5612/ BQQ4L	4408
GABLES (Airline Music Player)							
G285	2TM					7466	
G1225	4TS					7658	
LOCKHEED AIRCRAFT SERVICE							
Flt. Rec.	4CH 8TR				7609		

Model No.	Track Style & Notes	Ref. Notes	RP or RPE	4th Head or Combo	Record Head & QK	Playback Head & QK	Erase Head & QK
MOVIOLA/MAGNASYNC (Film Editors and Recorders) (See Section E for Part No. Cross Reference)							
LVR-M						4955	
M50M						4955	
M77						7413	
M79						4955	
M84						7413	
M85						7413	
M86						7413	
MS16						7411	
MS35						7411	
SC20						7411	
SD20						7411	
SK20						7411	
SL20						7411	
SRC						7411	
SRM						7411	
UD-20S						7411	
UL-20S					7425	7426	7723
3000							
SHOWCHRON (HONEYWELL) (Film Editor)							
16-1P-2S	2TM - 47					7402 (Pict.) 7427 (S1 & S2)	
SUNDSTRAND (UNITED CONTROL) (Cockpit Recorders & Music Players)							
ATA	4TS					7602	
CAM I	4TS					7602	
CAM II	4TS					7602	
CAM 202	4TS					5610	
200 Series	4TS					5610	
400 Series	4CH					5610	
AV-557B	4CH 8 TR				5832		

Cross Reference

Recorder Manufacturer and/or Head Manufacturer's
Part Number to Nortronics Replacement Head & Quik-Kit

This section lists head part numbers used by the recorder manufacturer cross-referenced to available Nortronics replacements. In cases where no replacement is possible, the word "NONE" appears in the replacement column. The letters "NSI" in this column indicates that our files do not contain sufficient information to make a head and/or Quik-Kit replacement recommendation.



SECTION E

1. Locate Recorder Manufacturer listed alphabetically.
2. Find exact head number listed alphabetically/numerically.
3. Replacement head and QK Mount, if required, is listed horizontally in adjacent column.

AMPEX	Head & QK
0296170-01	9202+87
0296170-02	9203+87
0296170-03	9223+87
0296170-07	9204+87
0296170-08	9211+87
0296192-01	9102+87
0296192-02	9103+87
0296192-03	9125+87
0296640-01	8600+87
1231757-01	9202+76
1231888-01	9472
1232357-01	9125+86
1232358-01	9103+86
1232359-01	9111+86
1232360-01	9222+86
1232361-01	8401+86
1232362-01	8403+86
1232363-01	9608+86
1232363-02	8604+86
1232363-03	8640+86
1815108-01	9111+87
1815108-02	9104+87
1815109-01	9125+87
1815110-01	9213+87
1815110-02	9203+87
1815111-01	9222+87
1815112-01	8600+87
1815112-02	8604+87
1815112-03	8708+87
1815112-04	8600+87
1815112-05	8605+87
4020228-01	8600+87
4020228-02	8604+87
4020228-03	8701+87
4020284-01	5607
4020285-01	5605
4040076-04	9202+66
4040076-05	9203+66
4040076-06	9223+66
4040084-10	9125+66
4040084-20	9103+66
4040084-30	9102+66
4040084-40	9223+66
4040084-50	8401+66
4040084-60	8400+66
4040323	8701+86
4040324	8604+86
4040325	8600+86
4040426-01	9125+76
4040437-01	9202+76
4040437-02	9203+76
4040437-05	9204+76
4040437-06	9209+76
4040438-51	8400+76
4040438-52	9102+76
4040438-63	9127+76
4040438-64	9125+76
4040438-66	8414+76
4040438-67	9104+76
4040438-68	9109+76
4040558-01	9464
4040558-02	9465
4040558-04	9465
4040558-05	9464
4040564-01	9472
4040684-03	9202+66
4040684-04	9203+66
4040684-05	9223+66
4040684-06	9125+66
4040684-07	9103+66
4040684-08	9102+66
4040684-09	9223+66
4040684-11	8400+66
4040684-12	8401+66
4040737-10	8607+86

AMPEX (Continued)	
4040738-10	1407+86
4040829-01	9127+76
4040829-02	9127+79
4040831-02	9227+79
4040837-01	9222+76
4045042-20	8607+86
4045043-10	8607+86
4350037-01	8609+76
7040015-20	8607+86
7040030	8607+86
7040161-01	8607+86
7040224-01	1203+86

AMPRO (INSTATAPE)	
8209	6103+66
8210	2001+66
9085-1	5710
9086-1	2010
9102-1	5701
9103-1	2001

ATC (GATES) (HARRIS)	
20-1001 Pro	3251
20-1001 Cue	3250
20-1010	3251
20-1011	2057
20-1014	2053
20-1015	5757
20-1016	5753
20-1017	2051

AUTOMATIC ELECTRIC (ELECTRONIC SECRETARY)	
WW3253-44	7406+21
WW4430-44	7406+21
WW4446-44	3606+19
WW5392-44	7406+21
WW6604-44	2600
WW6896-44	3200+21
WW7222-44	7406+21
WW8086-44	G1HY5L8-B
WW9454-44	6128

BROADCAST ELECTRONICS (See SPOTMASTER)

BRUSH (CLEVITE)	
BK-1065	8403+35
BK-1072	9213+35
BK-1072E	8301+35
BK-1072R	9203+35
BK-1090	8403+35
BK-1091	8400+35
BK-1110	8501+35
BK-1250	9103+35
BK-1251	9102+35
BK-1252	8102+35

CODE-A-PHONE (FORD)	
L03-011	7406
L03-012	NONE
L03-013	NONE
L03-014	2001

CODE-A-PHONE (Cont'd.)	
L03-015	4400
L03-018	6131
L03-021	6131
L03-025	6302
L03-033	2200
L03-039	6302
L03-041	6131

COLLINS	
020-8000-010	5703
020-8000-020	5707
020-8000-030	2007
020-8000-040	2003
020-8003-010	5602
235-0012-000 Pro	3251
235-0012-000 Cue	3250
235-0412-000	3251
235-0413-000	3251
270-2250-000	2053
270-2251-000	1251
270-2271-010	9105
270-2271-020	P-B1HC4K
270-2299-010	4401+19
270-2299-020	5613
270-2299-030	5614

CONCERTONE	
BD-35	1200+106
BH-1	4400+304
BH-3	9105+106
BH-6	2600+106
BT-2	1400+304
BT-282	1400+304
BT-3	9105+106
BT-4	1203+106
BT-6	1200+106
BT-22	1400+304
BT-66	2600+106
ND51	1202
ND52	1207
ND53	NONE
THP-102	2601+87
THP-204	1200+84
0113	1402+19
0342	1203+66
04-0014	1401+19
04-0015	1203+66
04-0016	1201+66
04-0055	1408+18
04-0056	1203
04-0057	1202
33T	1203+106
951	2603+83
3754	1200+66
3758	1200+66
10124	2600
105230	4400+304
105231	9105+106
105232	9111+106
105233	3600+304
105234	2603+106
105235, (-1)	2600+106
105236, (-1)	3600+304
105237	1200+106
105238	1203+106
105239	1203+106
105240	2003+106
105241	2000+106
105242	1400+304
105243	1400+304

CONCERTONE (Cont'd.)	
105244	1400+304
105246	1400+304
105247	NONE
105248	NONE
106120	3600+304
106121	4400+304
106122 (-2)	2610+106
106123 (-2)	2010+106
106124	2600+106
106125	2000+106
106126 (-1, -2)	9103+106
106390	9111+106
106438	1200+106
108046	4403+304
108145	2002+106
108245	2002+106
135234	2603
400067	NONE
400068	NONE
700071-1	1200+84
700086-1	8708+84
700087-1	1203+84
700539	8640+66
700543	1210+66
700544	8600+66
700545	8200+66
700547	9226+66
700548	2010+66
700682 RECORD	9105+66
700682 PLAY	9111+66
700683	9128+66

CROWN INTERNATIONAL	
ASQ3K	1201+66
ASQ4R	1203+66
SLA3L	2601+66
TLB3	1201+66
1189	6101+66
1190	9103+66
1191	8404+66
1192	9103+66
1193	8608+66
1194	8406+66
1195	8406+66
1196	3601+19
1197	6004+66
1198	8204+66
1200	8603+66
1201	8106+66
1202	9111+66
1203	9213+66
1204	1401+19
1205	5604+66
1206	5602+66
1207	5603+66
1208	3600+19
1209	9222+66
1210	NONE
1211	NONE
1212	NONE
1621	8209+66
1631	9222+66
1690	8209+66
1705	9111+66
1716	8403+66
1763	8601+66
1785	8201+66
1786	NONE
1787	NONE
1788	NONE
1789	5604+66
1790	5603+66
1799	1200+66

Cross Reference

Recorder Manufacturer and/or Head Manufacturer's
Part Number to Nortronics Replacement Head & Quik-Kit

CROWN INTERNATIONAL (Continued) Head & QK

1800	6126+66
1801	8208+66
1862	NONE
2065	NONE
2066	8404+66
2171	8601+66
2172	8603+66
2173	8204+66
2174	8208+66
2266	9111+66
2267	9103+66
2383	8209+66
2418	8406+66
2443	5603+66
2459	8608+66
2485	8404+66
2494	6101+66
2501	5603+66
2501A	5603+66
2530	8106+66
2572	8406+66
2578	9111+66
2579	9103+66
2741	8104+66
2750	3600+19
2791	8201+66
2864	5603+66
2901	9213+66
3058	9222+66
3059	9127+66
3086	7605
3088	5603+66
3160	1401+18
3166	1401+19
3167	3601+19
3183	9125+66
3184	9111+66
3328	5603+66
3522	NONE
3602	8640+66

DICTAPHONE (See METROTECH)

120059	5834
120062	5832
120339	8104
121358	6005
121359	1207
122103	6127
124037	ZJ2L44R
132461	6200
132462	5130
150100	6300
150431	7419

ECHOPLEX (MARKET)

A1HC44R-R	6183
A1HC47R-R	6179
G1HY2K-R	7456

ELECTRONIC SECRETARY (See AUTOMATIC ELECTRIC)

FAIRCHILD

9300-242	4408
9300-245	5612
9300-246	5613
9300-369	9111
9300-500	5833
9300-501	C1LC4K-B3

FENDER (ECHO-FONIC)

13-1A1HC47R	6129+66
13-2GMH3L	7406+21

FORD INDUSTRIES (See CODE-A-PHONE)

GABLES

C1HY7K-R5-12S	7466
P-G2Q7K-R-12S	7658

HARRIS (GATES) (ATC)

730-0101	3251
730-0328	3251
730-0329	3251
730-0343	2052
730-0423	2052
730-0726	5753
730-0727	5751
730-0729	2002
730-0730	5703
730-0731	5701
730-1153	2057

HARRIS (GATES) (ATC)

730-1155	2053
730-1156	5757
730-1157	5753
730-1158	2051
730-1162	6151
730-1163	7655
730-1371	5707
730-1375	7605
730-1376	2007
730-1429	2003
730-1439	6103
750-1641	3252
750-1990	3251

INFONICS

13-0003	8260
13-0004	8251
13-0005	9153
13-0008	3252
13-0009	3253
13-0011	8210
13-0013	5416/5410D
13-0014	5205/5205D
13-0015	5201/5201D
13-0018	8610
13-0019	9156
13-0020	8260
13-0021	8654
13-0022	5205/5205D
13-0023	5656
13-0024	5654
13-0025	CH3-B3
13-0026	5413/5413D
13-0028	5891
13-0029	5890
13-0030	5411/5411D
13-0032	5205/5205D
13-0033	5413/5413D
13-0034	5201/5201D
13-0035	5411/5411D
13-0038	5606
13-0039	5413/5413D
13-0040	5412/5415D
10008-15	5220/5220D
813100-001	6100

INSTATAPE (See AMPRO)

INTERNATIONAL TAPE- TRONICS (ITC)

504-0001	7805D
504-0002	2001D
504-0003	2003D
504-0004	5701D
504-0005	5703D
504-0011	6101
504-0012	8202
504-0013	9226
504-0014	9125
504-0015	9119
504-0018	9105
504-0020	2001
504-0021	2003
504-0022	2001
504-0027	8608
504-0028	8603
504-0029	8640
504-0030	2001

INTERNATIONAL VIDEO

76100090	6303
76100100	7422
76100111	7721

LOCKHEED

10077Y500	7609
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MAGNASYNC (See MOVIOLO)

MAGNECORD (See TELEX)

METROTECH (SCULLY)

P-A2H48R	6104
P-A2Q48K	6007
P-B2Q7F	8601
PR-B1F7K	9119
PR-B1F8R	9103
PR-B2H7K	9213
SMEF4-N9	4401
WP-B2H7K	8209
WP-B2Q7F	8601
QP-B2Q7K	8608

MICRO MAGNETICS

1410-001	7420
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3M (See WOLLENSAK)

MOVIOLO/MAGNASYNC

36151	7411
36155	7411
36155-1	7411
76241	4955
3077316	7413
2108-910	7423
2108-911	7425
2108-912	7426
028-0270	9111
045-0009	4956
045-0018	4401

PENTAGON

68-01	9210
68-02	9203
68-03	5606
68-04	5604
68-05	5205
68-06	5201
68-07*	5410
68-08*	5411
68-09*	5201
68-12*	9203
68-13*	5604
68-14*	5411
68-15	5411
68-16	9468
68-17	9103
68-20	9106
68-21	5413
68-22	5841
68-2201	5845
68-2202	5846
68-23	5840
68-2301	5847
68-2302	5848
68-28	5221
68-31	9210
68-32	5606
68-33	5201D
68-34	5221D
68-35	5411D
68-36	5413D
68-37	9203
68-38	5604

RCA

626-143	5752
98808	3101+20
101494	RPE-24
103277	2000+66
105362	3601+19
106208	1009+103
106362	3601+19
108948	1401+18
110293	1009+38
111677	1408+18
111697	1401+18
116380	1009+38
116381	1408+19
117059	3600+19
117060	3101
123721	1007
123722	1007
123723	1408+19
124121	5800
127444	5800+66
127674	5130
165871	5800
167240	5230
167257	5800
222435	8205
222436	8206
222437	8306
222438	NONE
222439	9108
222440	9107
222441	8110
223320	3251
223870	3000
223925	2200
225132	2200+18
226517	3252
229552	4910
231289	5752
231290	2052
231773	3252
232937	1401+18
234449	8205
234450	9108
234451	8110
234452	8307
234453	9108
234454	8206
240080	8110
240081	8307
240083	2002
241571	9107

RCA (Continued)

249421	4951
274941	1009+38
945870	2200+18
946592-1	1401+18
946634-1	1000+38
1585201-1	2201+18
1621396-1	2000+66
3310376-3	8205
3310376-6	9108
3310377-1	8110
3310377-3	8307
3310378-1	9107
3310378-3	8206
3310376-6	9107
3450599-1	2200+18
3453976-1	1401+18
3481303-1	4951
5007283	4910
8453976-1	1401+18
8494854-1	4951
8546668-1	4910
8728446-3	8205
8728446-6	9108
8728447-1	8110
8728447-3	8307
8728448-1	9107
8728448-3	8206
8728448-6	9107
8746920-3	2047
8762076-1	1202
8762076-2	8600
8971589	4955

RECORDEX

87701	5201/5201D
87702	5206
87703	5410/5410D
87704	5411/5411D
87705	8610+38
87706	9206/9206D+38
87707	5205/5205D
87708	5220/5220D
87709	5214

REVOX

1.017.360	9205+87
1.017.370	9202+87
1.017.380	8603+87
1.017.390	8700+87
1.116.021	9203+87
1.116.022	9203+87
1.116.026	9211+87
1.116.027	9211+87
1.116.041	8604+87
1.116.042	8604+87
1.116.046	8607+87
1.116.047	8607+87

SCULLY/METROTECH (DICTAPHONE)

180000	9211+91
180001	9209+91
180002	9102+91
180003	9202+91
180004	9110+91
180005	9470
180006	9476
180007	9469
180008	NONE
180009	NONE
180010	NONE
180011	7721
180012	NONE
180013	NONE
180014	NONE
180015	NONE
180016	4404
180017	9998
180018	8641
180019	8618+91
180020	9128+91
180021	9223+91
180022	8606+91
180023	NONE
180024	PR-B2G10R
180025	PR-B2G4K
180026	6104
180027	8209
180028	6007
180029	6006
180030	1221
180031	NONE
180032	9213
180033	9119
180034	9103
180035	4401
180036	8601
180037	8608

Cross Reference

Recorder Manufacturer and/or Head Manufacturer's Part Number to Nortronics Replacement Head & Quik-Kit

SCULLY/METROTECH (Cont'd)	Head & QK
180038	PR-B2G12K
180039	9882
180040	9889
180041	9890
180042	5622+91
180043	5627+91
180044	NONE
180045	NONE
180046	NONE
180047	NONE
180048	NONE
180049	NONE
180050	NONE
180051	NONE
180052	NONE
180053	NONE
180054	NONE
180055	NONE
180056	8207
180057	NONE
180058	8607
180059	8202
180060	
180061	
180062	
180063	
180064	
180065	
200517-05	9104+91
200525-04	8200+91
200579-01	9110+91
200579-02	9211+91
200579-03	8606+91
200579-04	5602+91
200579-05	9476
200602-01	9211+91
200602-02	9209+91
200602-03	9110+91
200603-01	9104+91
200603-02	9202+91
200603-03	8618+91
200603-04	5607+91
200603-05	9469
200703-03	8702+91
200703-04	NONE
200703-05	9470
200708-00	4404
200742-01	9128+91
200742-02	9223+91
022110101	9128+91
022110102	9128+91
022110102-01	9127+91
022110102-02	9128+91
022110201	9223+91
022110202	9223+91
022110202-01	9227+91
022110402	8702+91
022110402-01	1402
022120301	9370
022120302	9370
022120401	9470
022120402	9470
022130801	9890
022130802	9890
022131201	9986
022131202	9986
022141602	9996
022210101	9104+91
022210102	9104+91
022210202	9204+91
022210402	8618+91
022210402-01	5607+91
022220302	9361
022220402	9461
022220402-01	9461
022220402-02	9466
022230802-01	9881
022231202-01	9981
022241602	9992
022310102	9102+91
022310202	9202+91
022310202-02	9202+91
022310302	5701+91
022310402	8600+91
022310402-01	5623+91
022320302	9360
022320402	9460
022330802	9880
022331202	9980
022341602	9990
101010000-08	9887
101010000-12	9982
101010000-16	9998
501250000-01	9102+91
501250000-02	8200+91
501250000-03	8200+91
501250000-04	8600+91
501250000-05	5603+91
502230000-01	9128+91
502230000-02	9223+91
502230000-03	9223+91
502230000-04	8702+91
502230000-05	9370
502230000-06	9470
502240000-01	9104+91

SCULLY/METROTECH (Continued)	
502240000-02	9204+91
502240000-03	9204+91
502240000-04	8618+91
502240000-05	9361
502240000-06	9461
502250000-01	9102+91
502250000-02	9202+91
502250000-03	9202+91
502250000-04	8600+91
502250000-05	9360
502250000-06	9460
504230000-01	9890
504230000-02	9886
504230000-03	NONE
504230000-04	9470
504240000-01	9881
504240000-02	9981
504240000-03	NONE
504240000-04	9470
504250000-01	9880
504250000-02	9980
504250000-03	NONE
504250000-04	9460
508230000-01	9890
508230000-02	9880
508230000-03	9996
508240000-01	9881
508240000-02	9981
508240000-03	9992
508250000-01	9880
508250000-02	9980
508250000-03	9990

SPARTA (CETEC)

895-010	2003
895-020	2001
895-022	3251
895-024	2001
895-030	6127
895-032	6127
895-033	1201
895-040	5703
895-042	5701
895-055	9161
895-060	3252
895-062	3251

SPOTMASTER (BROADCAST ELECTRONICS)

250-0001	D1/D2	3250
250-0002	D1A	3251
250-0003	D01A	3251
250-0004	D01AX	3001
250-0005	DOMB	3050
251-0001	DM1A	3251
251-0001	DM2TA	3251
252-0001	DM1B	2051
252-0002	DM1BX	2001
252-0003	DM2RB	2053
252-0004	DM2RBX	2003
252-0005	DM1C	7251
252-0006	DM2RC	7252
252-0007	M1P	2001
252-0008	M1R	2003
252-0009	DL2D	6101
252-0017	LMP	2001D
252-0018	LMR	2003D
253-0001	DM3RB	5753
253-0002	D1SA	5751
253-0003	DM3RC	7253
253-0004	S1P	5701
253-0005	S1R	5703
253-0014	LSP	5701D
253-0015	LSR	5703D
254-0001	PK-1	3251
259-0001	D2MB	1250
259-0002	DL1A	6177
259-0003	DL2B	6153
259-0004	DL2A	2051
259-0005	DL2C	6151
407-0001	H801016	7605

STANCIL-HOFFMAN

24-001	7721
24-004	2603
24-005	5603
24-007	2001
24-009	5601
24-010	9105
24-011	9111
24-013	2602
24-014	2003
24-015	2021
24-016	1203
24-017	1221
24-020	9213

STANCIL-HOFFMAN (Continued)	
24-021	4401+18
24-044	9210
24-053	5603
24-056	8104
24-057	6126
24-063	7721

SUNDSTRAND (UNITED CONTROL)

317-1000-001	9111
317-1001-001	8101
317-1002-981	7602
317-1003-002	5832
317-1004	NONE
317-1005-001	5610
317-1006	NONE
317-1007-001	MEF22M2
317-1022-001	4400L
103032	7602
103033	9111
103034	8101
108417	5610

TAPECASTER

B1HC7K-R6	7468
G1H2K-R	3250
P-A2H47K-R6	6152
P-B2H7K-R6	2056
P-B3Q7K-R6	5754
P-G1H7K-R	3251
Dummy - R	7655
Dummy - N	7605

TAPE-ATHON

0500	7405L
0501	7405U
0502	9125+66
0503	9103+66
0504	9119+66
0505	9222+66
0506	9203+66
0507	9213+66
0508	8701+66
0509	8604+66
0510	8608+66
0511	8403+66
0515	5603+66
0516	8401+66
0517	9222+66
0518	1201+66
0519	5832+66
0520	5800+66

TEAC

THE-202	8640+66
THE-1201	9127+66
THP-204	8608+85
THR-202	8614+85
608	8704+85
1497	8640+66
2315	8600+85
66101	9127+66
66103	9126+66
66201	9222+66
66203	9226+66
66301	8640+66
66302	8640+66
66303	8640+66
66402	9103+85
66404	9103+85
66502	9203+85
66504	9203+85
66601	8604+85
66602	8604+85
66604	8604+85
66702	9119+85
66805	9213+85
66901	8608+85
66903	8607+85
66904	8608+85
66905	8607+85
66951	8607+85
562171	9103+85
562172	9103+85
562231B	8603+85
562241	9203+85
562242	9203+85
562251	8604+85
562252	8618+85
563171	9119+85
563231	8608+85
563241	9213+85
263251	8608+85
651231	8704+85

TEAC (Continued)	
672099	8604+85
673298	8608+85
673737	8608+85
5611013	9127+66
5611313	9126+66
5612013	9222+66
5612023	8640+66
5612223	9226+66
5612313	8640+66
5622023	8618+85
50660310	5410
50660410	5230A
50660450	5230A
50660480	5230A
50660490	5230A
50661010	9127+66
50661050	9125+66
50662010	9227+66
50662030	9226+66
50663010	8640+66
50663030	8640+66
50663410	6006+85
50663430	6006+85
50664020	9103+85
50664110	NONE
50664210	5604+85
50664220	5604+85
50664250	5604+85
50664350	5603+85
50664410	5604+85
50664420	5603+85
50664430	8604+85
50664440	8608+85
50664450	8640+66
50664480	8604+85
50664490	8608+85
50664820	5603+85
50665041	9203+85
50665700	9103+85
50665800	9119+85
50666020	8604+85
50666041	8604+85
50666070	8604+85
50666200	9203+85
50666210	9203+85
50666310	9213+85
50666320	9213+85
50666700	9203+85
50666800	9213+85
50667020	9119+85
50667200	8604+85
50667210	8604+85
50667250	8604+85
50667310	8608+85
50667320	8608+85
50667350	8608+85
50667410	6006+85
50667420	6006+85
50667700	8604+85
50667800	8608+85
50668050	9213+85
50668070	9213+85
50669010	8608+85
50669030	8607+85
50669040	8608+85
50669050	8607+85
50669070	8608+85
50883131	5230A
60570030	9126+66
60570040	9226+66
60576050	8640+66

TELEX (MAGNECORD) (VIKING)

H85-F2	9111
H85-F5	4400L
H85-Q2	1200
H85-Q5	1400L
H85-RQ2A	1205
H85-S2	2000
H85-S5	2200L
H85-1	3200
H85-5	3600L
75-1	3101+21
75-5	1400+19
85-F2A	9111
85-F5A	4400L
85-S5B	2200L
55010	3200
55011	3600L
55012	2000
55013	2200L
55014	1200
55015	1400L
55016	1400L
55017	3201
55018	9111
55019	4400L
55020	3200
55021	2050
55022	3250
55023	3650
55024	NONE

Cross Reference

Recorder Manufacturer and/or Head Manufacturer's
Part Number to Nortronics Replacement Head & Quik-Kit

TELEX (MAGNECORD) (VIKING)	Head & QK
55025	NONE
55026	2250
55027	2000+66
55028	1200+66
55029	1400+19
55030	NONE
55031	NONE
55032	2200+19
55033	NONE
55034	2002
55035	1203
55036	2005
55037	NONE
55038	3250
55039	1250
55040	1450
55041	2050
55042	NONE
55043	2200+19
55044	3201+21
55045	3000+21
55046	1400+19
55047	3600+19
55048	3600+19
55049	3600+19
55050	1401+19
55051	1201
55052	3650
55053	1202
55054	1401L
55055	2201+19
55056	2201+19
55057	3251
55058	3000
55059	NONE
55060	2001+66
55061	NONE
55062	3200
55063	3200
55064	3200+21
55065	3001+21
55066	3250
55067	3250
55068	3250
55069	3201
55070	3201
55071	3201+21
55072	3201+21
55073	3201+21
55074	3201+21
55075	3251
55076	3201+21
55077	3201
55078	CH3R
55079	9111
55080	9161
55081	9161
55082	3200
55083	3250
55084	3200+21
55085	3200+21
55086	3205
55087	3251
55088	3251
55089	3201
55090	3251
55091	3202+21
55092	3202+21
55093	3252
55094	3202+21
55095	3202+21
55096	3202
55097	1200
55098	1202
55099	1202+66
55100	1202+66
55101	1202+66
55102	1250
55103	2000
55104	2005
55105	2050
55106	2005
55107	2051
55108	2002
55109	2052
55110	2003
55111	1200
55112	1200+66
55113	1201
55114	1201+66
55115	1202
55116	1203
55117	1203+66
55118	1202+66
55119	1202+66
55120	1205
55121	1200
55122	1250
55123	1202+66
55124	1202+66
55125	1201
55126	1202+66

TELEX (MAGNECORD) (VIKING) (Continued)	
55127	1250
55128	1250
55129	1200
55130	1250
55131	1250
55132	1202
55133	1202
55134	1202
55135	1201+66
55136	1201
55137	7406+21
55138	4450
55139	3101
55140	4450
55141	4400L
55142	1200
55143	3600+19
55144	3600+19
55145	NONE
55146	2000
55147	2005
55148	1200
55149	1205
55150	9111
55151	4400+19
55152	9111+66
55153	1450
55154	1200+66
55155	1200+66
55156	1400+19
55157	1400+19
55158	1200
55159	1400L
55160	1200
55161	1251
55162	3255
55163	1255
55164	1252
55165	2201L
55166	2051
55167	5651
55168	5653
55169	2002
55170	7406+21
55171	3601+19
55172	2200+19
55173	3202
55174	3201
55175	3250
55176	3201+21
55177	3201+21
55178	3251
55179	3205+21
55180	3201
55181	3201
55182	1201+66
55183	1202
55184	1202+66
55185	1200
55186	1201+66
55187	1251
55188	1201+66
55189	1203+66
55190	4450
55191	3600+19
55192	3600L
55193	3601+19
55194	1401L
55195	2200L
55196	2200L
55197	2200+19
55198	2250
55199	2201L
55200	2201L
55201	2201L
55202	1400L
55203	1450
55204	1450
55205	1401L
55206	1400+19
55207	1401+19
55208	1401+19
55209	1401L
55210	2050
55211	2051
55212	2051
55213	1250
55214	1200
55215	1202+66
55216	1207
55217	3202
55218	2002
55219	3600+19
55220	3600+19
55221	3600+19
55222	2200+19
55223	2200+19
55224	2200+19
55225	2201+19
55226	1400+19
55227	1400+19
55228	1401+19
55229	1400+19

TELEX (MAGNECORD) (VIKING) (Continued)	
55230	3600+19
55231	1250
55232	1252
55233	1203
55234	1203
55235	5603
55236	5602
55237	5653
55238	1203
55239	1201+19
55240	3601L
55241	2201+19
55242	2251
55243	2201L
55244	1451
55245	3250
55246	3203
55247	3251
55248	9111+66
55249	9110
55250	3051
55251	2001+66
55252	2052
55253	1400+19
55254	1200
55255	2000
55256	1200
55257	1205
55258	2201+19
55259	3002
55260	3001
55261	1205
55262	1401+19
55263	3201
55264	3201
55265	2201L
55266	1200+66
55267	1400L
55268	1201+66
55269	1200+66
55270	1200+66
55271	2000
55272	2005
55273	2200L
55274	3202
55275	1400L
55276	4450
55277	3251
55278	3202+21
55279	2200L
55280	1401L
55281	NONE
55282	1201
55283	1202
55284	3200
55285	1205
55286	3205+21
55287	1202+66
55288	1221
55289	1203
55290	2005+66
55291	5601
55292	2200L
55293	3600L
55294	1400L
55295	4400L
55296	2003
55297	3200
55298	1451
55299	1400L
55300	1400+19
55301	7406+21
55302	3600+19
55303	1200+66
55304	2000+66
55305	2200+66
55306	2052
55307	3251
55308	2002
55309	3202
55310	2001
55311	1257
55312	1002
55313	2051
55314	1200+66
55315	1200+66
55316	1200+66
55317	3202+21
55318	3202+21
55319	3601+19
55320	7406+21
55321	2002
55322	6103
55323	2603
55324	1201+66
55325	1202
55326	3200
55327	1201+66
55328	1201+66
55329	1257
55330	3200
55331	3202
55332	3202

TELEX (MAGNECORD) (VIKING) (Continued)	
55333	3202
55334	2000
55335	3201
55336	2005
55337	2251
55338	3202
55339	3202
55340	2052
55341	3200
55342	3200
55343	3200+21
55344	1202+66
55345	3251
55346	3200+21
55347	3200+21
55348	7406+21
55349	3202+21
55350	3202+21
55351	2052
55352	3201
55353	1201
55354	3200
55355	1205
55356	2005
55357	2003
55358	3205
55359	3203
55360	1200
55361	1203
55362	2002
55363	4401L
55364	3201
55365	3601L
55366	3203
55367	9105
55368	2002
55369	2010
55370	1210
55371	P-G1H8R
55372	1202
55373	9110
55374	2051
55375	3051
55376	2053
55377	2001+66
55378	2021+66
55379	5602
55380	5751
55381	5752
55382	2003
55383	1201+66
55384	1201+66
55385	1401+19
55386	5653
55387	NONE
55388	9103
55389	NONE
55390	1252
55391	2052
55392	2251
55393	3102
55394	6000
55395	PA2H17R-R
55396	6180
55397	NONE
55398	PA2H17K-R
55399	5602+66
55400	1257
55401	1251
55402	1221
55403	3202
55404	3252
55405	1251
55406	PA1Q17K-R
55407	5604
55408	2050
55409	3651
55410	A2Q22K-R
55411	1201
55412	3102+21
55413	3202+21
55414	1207
55415	3252
55416	3252
55417	9111
55418	2053
55419	3251
55420	2005
55421	2001
55422	7406
55423	1201+66
55424	A2Q44K-R
55425	PA1HC17K-R
55426	9103
55427	2010
55428	1210
55429	5800
55430	6153
55431	3201+21
55432	3201+21
55433	3201+21
55434	3201+21
55435	3201+21

"L" is Duracore

Cross Reference

Recorder Manufacturer and/or Head Manufacturer's
Part Number to Nortronics Replacement Head & Quik-Kit

TELEX (MAGNECORD) (VIKING) (Continued)	Head & QK
55436	1201+66
55437	1201+66
55438	1202+66
55439	1202+66
55440	3201
55441	3202
55442	3601+19
55443	3253
55444	9160
55445	4451
55446	3600+19
55447	3253
55448	1401+19
55449	1202
55450	7406+21
55451	3202+21
55452	1202+66
55453	3201+21
55454	3205+21
55455	2001+66
55456	1205+66
55457	3202+21
55458	1202+66
55459	3203+21
55460	2002+66
55461	1203+66
55462	1205
55463	2003
55464	1203
55465	3203
55466	1202
55467	3205
55468	1257
55469	2052
55470	1250
55471	1250
55472	2051
55473	1207
55474	NONE
55475	1207
55476	5652
55477	1202
55478	5701
55479	1251
55480	2051
55481	2056
55482	6151
55483	3001
55484	1255
55485	6153
55486	2060
55487	7406+21
55488	1253
55489	2002
55490	A2H17K-R
55491	3201+21
55492	PA2Q47K-R
55493	2002+66
55494	PA2Q44K-R
55495	2000
55496	1251
55497	1251
55498	NONE
55499	NONE
55500	3201+21
55501	3201+21
55502	1221+66
55503	3253
55504	6180
55505	3251
55506	1257
55507	3251
55508	5751
55509	1201+66
55510	1203+66
55511	9111+66
55512	3251
55513	6152
55514	3201+21
55515	1251
55516	1202+66
55517	1251
55518	2002
55519	A1HC44R-R
55520	5653
55521	5652
55522	7468
55523	1200
55524	1201
55525	2000
55526	1252
55527	7406+21
55528	3250
55529	7406
55530	3252+21
55531	6126+66
55532	6153
55533	6151
55534	6002
55535	PA2Q42K-R
55536	PA2Q42K-R
55537	1253

TELEX (MAGNECORD) (VIKING) (Continued)	
55538	1257
55539	1222
55540	3201
55541	2050
55542	2007
55543	1201
55544	1202+66
55545	2002
55546	3255
55547	2001
55548	2052
55549	3201
55550	7406+21
55551	5800
55552	5850
55553	1002+66
55554	8210
55555	3251
55556	1202+66
55557	1202+66
55558	8400
55559	7406+21
55560	5835
55561	5651
55562	2055
55563	3201+21
55564	3201+21
55565	1202
55566	9105
55567	2007
55568	3201
55569	5757
55570	1260
55571	2602
55572	3202
55573	3202+66
55574	5813
55575	5603
55576	2050
55577	PA2H17K-R
55578	2203+19
55579	7406
55580	1251
55581	2055
55582	2001
55583	9211
55584	5604
55585	5602
55586	5834
55587	1252
55588	9228
55589	9204
55590	9202
55591	NONE
55592	NONE
55593	NONE
55594	1252
55595	6055
55596	3252
55597	1202
55598	3201
55599	2021
55600	1250
55601	2000+66
55602	1251
55603	1200+66
55604	7406
55605	9161
55606	2055
55607	2060
55608	3251
55609	1257
55610	9160
55611	NONE
55612	3251
55613	2007
55614	3201+21
55615	1202
55616	1210
55617	5652
55618	2053
55619	2057
55620	1260
55621	1253
55622	5201
55623	2053
55624	1402
55625	1402+19
55626	5654
55627	NONE
55628	5685
55629	5683
55630	5652
55631	3250
55632	2602
55633	6200
55634	1201
55635	5850
55636	3252
55637	5411
55638	5411
55639	1257
55640	5130

TELEX (MAGNECORD) (VIKING) (Continued)	
55641	5200
55642	NONE
55643	NONE
55644	NONE
55645	NONE
55646	5602
55647	NONE
55648	5206
55649	5410
55650	PR-B2H14N
55651	5230A
55652	5213
55653	5213
55654	5213
55655	3150
55656	9228
55657	9203
55658	9213
55659	2203
55660	1251
55661	NONE
55662	5220
55663	8602
55664	8607
55665	8702
55666	8203
55667	8202
55668	8302
55669	9112
55670	8102
55671	8408
55672	5223
55673	5211
55674	5833
55675	5802
55676	NONE
55677	6201
55678	5211
55679	5232
55680	7421
55681	5210
55682	5410
55683	5201
55684	NONE
55684	NONE
55685	NONE
55686	NONE
55687	8210
55688	NONE
55689	NONE
55690	NONE
55691	2004
55692	8614
55693	8202
55694	NONE
55695	NONE
55696	NONE
55697	NONE
55698	NONE
55699	NONE
55700	NONE
55701	NONE
55702	NONE
55703	2001
55704	5411
55705	5410
55706	NONE
55707	NONE
55708	NONE
55709	NONE
55710	NONE
55711	NONE
55712	NONE
55713	NONE
55714	NONE
55715	8601
55716	8208
55717	8406
55718	6201
55719	NONE
55720	NONE
55721	NONE
55722	NONE
55723	NONE
55724	NONE
55725	NONE
55726	NONE
55727	NONE
55728	5230A
55729	5800
55730	5424D
55731	5415
55732	6004
55733	5603
55734	5230A
55735	5230A
55736	NONE
55737	NONE
55738	NONE
55739	NONE
55740	8304
55741	5800
55742	7605D

TELEX (MAGNECORD) (VIKING) (Continued)	
55743	8208
55744	1271D
55745	5703D
55746	5701D
55747	2003D
55748	2001D
55749	NONE
55750	5800
55751	5224D
55752	5201D
55753	5424D
55754	5411D
55755	NONE
55756	6101
55757	9202
55758	
55759	
55760	

TELEX (VIKING) (MAGNECORD)	
A368106-1	9103+35
A368107-1	9102+35
A368117-1	9112
A36C119-1	8102
A91D8784-1	8602+74
A91D8784-2	8607
A91D8784-3	8203
A91D8784-4	9207
A91D8784-17	8702
A91D8784-20	8302
A91D8784-23	8102
A91D8784-26	9214
A91D8784-27	1204
AN291	5601
AN322	6103
EBB157	1400+19
EFN141	4400L
EFN295	4400L
EFN363	4401L
EFR140	4450
EFR276	4450
EBH143	3600+19
EBH144	3600+19
EBH302	3600+19
EHN11	3600L
EHN293	3600L
EHN365	3601L
EHR23	3650
EMB156	1400+19
EMB157	1400+19
EMB253	1400+19
EMN159	1400L
EMN299	1400L
EMR253	1450
EQB29	1400+19
EQB46	1400+19
EQB262	1401+19
EQB300	1400+19
EON15	1400L
EON267	1400L
FON275	1400L
EON280	1401L
EON294	1400L
EQR40	1450
ESB32	2200+19
ESB258	2201+19
ESB305	2200+19
ESN13	2200L
ESN265	2201L
ESN273	2200L
ESN279	2200L
ESN292	2200L
ESR26	2250
ESR298	2251
ESR337	2251
FB152	9111+66
FN18	9111
FN82	2600
FN150	9111
FN367	9105
FR80	9161
HB139	3101+21
HB286	2603+66
HB301	2000+21
HB317	2602+66
HB318	2602+66
HB320	7401
HB332	2602
HB333	2602
HB342	3101+21
HB343	3202+21
HB346	3100+21
HB347	3002+21
HB348	3101+21
HB349	3202+21
HB350	3202+21
HN63	3000
HN69	3001
HN82	2600

"L" and "D" are Duracore heads.



Cross Reference

Recorder Manufacturer and/or Head Manufacturer's
Part Number to Nortronics Replacement Head & Quik-Kit

TELEX (VIKING) (MAGNECORD) (Continued)	Head & QK
HN89	2600
HN259	3002
HN263	3001
HN264	3001
HN274	2602
HN278	2601
HN284	2600
HN297	2600
HN309	3002
HN316	3000
HN323	2603
HN326	3000
HN330	3200
HN331	3202
HN335	2601
HN338	3002
HN339	3001
HN341	3000
HN352	3201
HN354	3200
HN358	3205
HN359	2603
HN364	3201
HN366	3203
HR22	3250
HR90	3051
HR250	3051
HR277	3051
HR307	3051
HR345	3051
M122	1250
MB154	1000+66
MB155	1000+66
MB344	1202+66
MN51	1201
MN158	1200
MN160	1000
MR122	1251
QB131	1001+66
QB142	1000+66
QB266	1200+66
QB268	1201+66
QB269	1200+66
QB270	1200+66

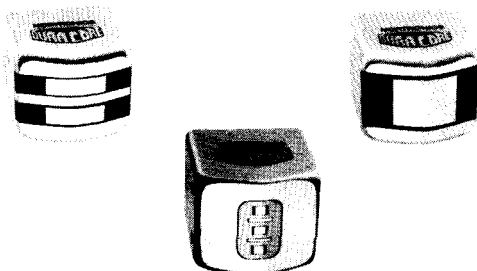
TELEX (VIKING) (MAGNECORD) (Cont'd)	
QB281	1201+66
QB282	1201+66
QB283	1202+66
QB287	1202+66
QB303	1200+66
QB314	1200+66
QB315	1200+66
QB324	1201+66
QB327	1201+66
QB328	1201+66
QN129	1200
QN132	1205
QN148	1200
QN149	1205
QN256	1200
QN257	1205
QN261	1205
QN282	1201
QN283	1201
QN288	1221
QN289	1203
QN312	1202
QN325	1202
QN355	1205
QN360	1200
QN361	1203
QN370	1210
QN372	1202
QR127	1250
QR311	1251
QR329	1251
SB27	2000+66
SB251	2001+66
SB290	2005+66
SB304	2000+66
SN103	2000
SN106	2005
SN146	2000
SN147	2005
SN255	2000
SN271	2000
SN272	2005
SN296	2003
SN308	2002
SN310	2001

TELEX (VIKING) (MAGNECORD) (Cont'd)	
SN321	2002
SN334	2000
SN336	2001
SN356	2005
SN357	2003
SN362	2002
SN368	2002
SN369	2010
SR21	2050
SR306	2052
SR313	2051
SR340	2052
SR351	2052
4A91A941	8403+75
4A91A942	8403+75
36C111	8602
36C112	8607
36C113	8702
36C114	8203
36C115	9207
36C116	8302
36C117	9112
36C118	9111
36C119	8102
36C141	2004
36C142	1204
36C143	8202
36C153	8202
75-G58	1401+19
75Q2	1200+66
75S2	2000+66
51628-000	2001
51628-001	2001
51628-002	5603
51982-001	5201
51982-002	7421
51982-003	5220
51982-004	5205
85545-01	6800
90076-000	5802
7298991	5802

WOLLENSAK (3M)	
78-8010-4492	7610
78-8473-8962	7610
26161-700	5221
27161-001	RPE-20
27161-010	RPE-20
27161-060	7601
27161-070	7722
27161-080	7722
27161-090	NONE
27161-100	NONE
27161-110	RPE-20
27161-130	7722
27161-140	7601
27161-180	RPE-20
27161-190	6125
27161-200	6026
27161-210	6002
27161-220	RPE-20
27161-221	RPE-20
27161-250	6005+66
27161-270	6128+66
27161-280	RPE-21
27161-281	RPE-21
27161-320	RPE-22
27161-380	6008
27161-410	5232
27161-450	5133
27161-460	RPE-22
27161-470	NONE
27161-510	6008
27161-520	1202
27161-540	5207
27161-570	5205D
27161-580	5201D
27161-590	W2ER6
27161-600	8210
27161-610	5212
27161-620	W1R25G
27161-690	5220D
27161-700	5221D
27161-860	5151

VIKING (See TELEX)

DURACORE® Heads



DURACORE REPLACEMENT TAPE HEADS FOR PROFESSIONAL RECORDERS

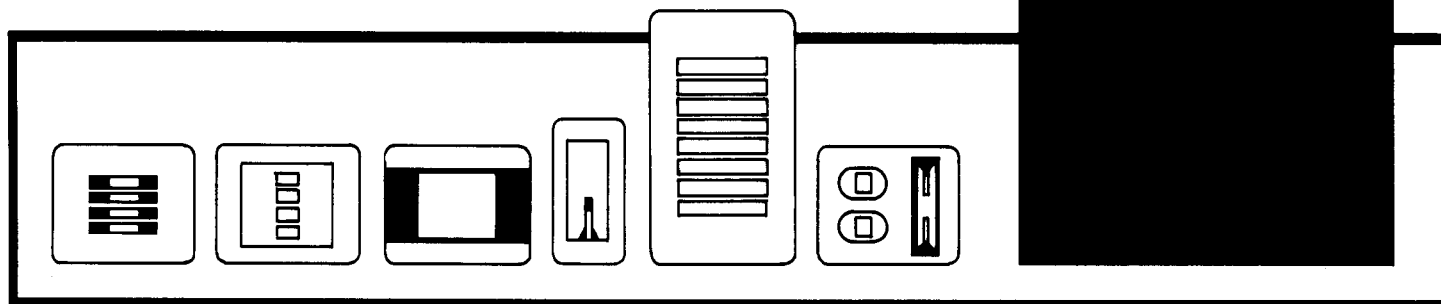
Professional recording equipment users need magnetic heads with greatly-extended wear life to directly reduce operational costs by eliminating electronic adjustments, requiring fewer service calls and cutting recorder downtime. Nortronics now offers a new series of direct replacement magnetic heads constructed with a new wear-resistant material called DURACORE. It provides ten times the operational lifespan of conventional Mu-metal replacements to yield meaningful cost advantages. More than three years of extensive testing have proved DURACORE to be the ideal material for long-life replacement heads. You'll find that DURACORE heads provide excellent wear resistance and they're also affordable. DURACORE replacements are currently available for popular professional reel-to-reel and cartridge recorders/payers manufactured by many well-known companies

Nortronics Magnetic Head Specifications

These specifications cover the complete line of NORTRONICS replacement heads, listed in numerical order by their RCD (Recorder Care Division) Model No. Included are heads for use on the .150-inch cassette tape, 1/4-inch, 1/2-inch, 1-inch, and 2-inch tapes. Replacement heads for specific recorders. Write to Nortronics for a FREE dealer listing.

SECTION

F



DURACORE — Nortronics pioneered this long-wearing core material which gives up to ten times the life of conventional permalloy. Heads available in DURACORE are indicated by the letter "D" after the Model No.

RECORD/PLAY PLAYBACK RECORD	MAGNETIC HEADS 1/4-INCH TAPE		RCD MODEL NO., NO MOUNT ("D" indicates DURACORE) ("Heads have mounts)	Outline Drawing & Case Size	Rear Mount NORTRONICS Head Model No.	Rear Mount Drawing No.	OEM NORTRONICS Head No. ("Rear Mount Head No.") ("LP" indicates DURACORE)	Head Function	Application Notes	Inductance, 1 kHz	Impedance, 1 kHz	Resistance, D.C.	Gap Spacer	Crosstalk Rejection 1 kHz	7.5 IPS unequaled R/P response using 3M176 tape pk-biased at 1 kHz, 12 dB below tape saturation.								NRZ digital write/read data, 7.5 IPS, 200 BPI		
															Peak Bias I 100 kHz rms	Peak Bias V. 100 kHz rms	Audio Record Current rms	1 kHz Play Output rms	10 kHz/1 kHz Output Ratio	Write Current	Read Output 200 BPI	Max. Read Pack. Dens.			
															mA	V	uA	mV	dB	P-P mA	P-P mV	BPI			
NORTRONICS magnetic heads have been tested and proven during over twenty years of manufacturing experience. Features pioneered by NORTRONICS include deposited quartz gaps, hyperbolic face contour, and the B-size case which has become standard in the industry. The widest variety and most complete line of magnetic heads in the world is offered by NORTRONICS.			1200	1B	1250	58	P-B2Q2K	RP	1	800	5000	750	100	50	0.20	75	25	2.5	+4	—	52	1600			
PREMIUM 4-track Stereo Heads B-size case, laminated cores, deposited gaps, hyperbolic faces. .043-inch (1.1-mm) tracks (2) .136-inch (3.45-mm) center-to-center track spacing.	1201	1B	1251	58	P-B2Q7K	RP	2	400	2600	400	100	50	50	0.3	67	30	1.6	+4	1.6	36	1600				
	1202	1B	1252	58	P-B2Q4K	R	2	100	700	100	100	50	50	0.7	30	65	.85	+3	3.1	24	1600				
	1203	1B	1253	58	P-B2Q4R	R	3	50	350	100	500	50	50	0.7	28	60	—	—	2.7	18	400				
	1204	1B	—	—	See #B614	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
	1205	1B	1255	58	P-B2Q7R	R	3	230	1300	410	500	50	50	0.3	33	30	—	—	1.7	36	400				
	1207	1B	1257	58	P-B2Q6K	RP	2	200	1300	215	100	50	50	0.4	35	40	1.3	+3	2.2	26	1600				
	1210	1B	—	—	P-B2Q8R	R	4	10	70	32	500	50	50	2.0	7.5	130	—	—	6.2	9	400				
	1221	1B	1271	—	P-B2Q7F	P	6	500	3500	315	50	50	50	—	—	—	1.3	+4	—	—	—				
	1221D	1B	—	—	LP-B2Q7F	P	6	500	3500	315	50	50	50	—	—	—	1.3	+4	—	—	—				
	1222	1B	—	—	P-B2Q8F	P	5	20	130	24	50	50	50	—	—	—	0.3	+1	6.2	8	1600				
	2000	20B	2050	58	P-B2H2K	P	1	800	5000	700	100	50	50	—	—	—	3.0	+5	1.3	72	1600				
	2001	20B	2051	58	P-B2H7K	RP	2	400	2500	440	100	50	50	0.35	65	40	2.6	+5	1.8	48	1600				
	2001D	20B	2051D	58	LP-B2H7K	RP	2	400	2500	440	100	50	50	0.35	65	40	2.6	+5	1.8	48	1600				
	2002	20B	2052	58	P-B2H4K	RP	2	100	700	120	100	50	50	0.7	35	70	1.3	+3	3.6	24	1600				
2002D	20B	2052D	58	LP-B2H4K	RP	2	100	700	120	100	50	50	0.7	35	70	1.3	+3	3.6	24	1600					
PREMIUM 2-track Stereo Heads B-size case, laminated cores, deposited gaps, hyperbolic faces. .080-inch (2.0-mm) tracks (2) .160-inch (4.0-mm) center-to-center track spacing.	2003	20B	2053	58	P-B2H4R	R	3	50	340	120	500	50	50	0.65	20	80	—	—	3.4	24	400				
	2003D	20B	2053D	58	LP-B2H4R	R	3	50	340	120	500	50	50	0.65	20	80	—	—	3.4	24	400				
	2004	20B	—	—	P-B2H11R	R	4	1.5	10	4	500	50	6.0	4.5	470	—	—	20.0	6	400					
	2005	20B	2055	58	P-B2H7R	R	3	200	1300	410	500	50	50	0.4	40	40	—	—	1.8	48	400				
	2007	20B	2057	58	P-B2H6K	RP	2	200	1400	230	100	50	50	0.65	52	60	1.8	+4	2.7	36	1600				
	2007D	20B	2057D	58	LP-B2H6K	RP	2	200	1400	230	100	50	50	0.65	52	60	1.8	+4	2.7	36	1600				
	2010	20B	2060	58	P-B2H8R	R	4	10	75	30	500	50	50	2.0	10	170	—	—	9.0	12	400				
	2010D	20B	—	—	LP-B2H8R	R	4	10	75	30	500	50	50	2.0	10	170	—	—	9.0	12	400				
	2021	20B	—	—	P-B2H7F	P	6	400	2500	400	50	50	50	—	—	—	2.5	+5	—	—	—				
	2047	20B	2097	58	P-B2H47K	UP	7	100	700	120	100	50	50	0.7	35	70	1.3	+3	—	—	—				
				Dual Imp.	Low		400	2500	410	100	50	50	0.4	65	40	2.6	+4	—	—	—					
2056†		2056	58	P-B2H7K-R6*	RP	8	400	2500	410	100	50	50	0.4	65	40	2.6	+4	—	—	—					
STANDARD 2-track Mono Heads G-size case, laminated cores, deposited gaps, hyperbolic faces. .080-inch (2.0-mm) single track. Located .020-inch (0.5-mm) below center on head face.			3100	19G	—	—	G1HY2K	RP	9	800	5000	390	100	—	0.4	100	30	3.4	-3	1.3	70	1600			
PREMIUM 2-track Mono Heads G-Size case, laminated cores, deposited gaps, hyperbolic faces. .080-inch (2.0-mm) single track. Located .080 (2.0-mm) off center on head face. (Full offset, so head may be inverted to pickup other track.)			3200	18G	3250	58	P-G1H2K	P	1	800	5000	390	100	—	0.3	90	30	3.6	+5	1.3	72	1600			
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Magnetic Head Specifications

RECORD/PLAY PLAYBACK RECORD	CASSETTE HEADS .150-INCH (3.81-mm) TAPE	RCD MODEL NO., "A" MOUNT ("D" indicates DURACORE)	Outline Drawing & Case Size (See 51W)	OEM NORTONICS Head No. ("LP" indicates DURACORE)	Head Function	Application Notes	Inductance, 1 kHz		Impedance, 1 kHz		Resistance, D.C.	Gap Spacer	Crosstalk Rejection 1 kHz	1.7/8 IPS unequalized R/P Resp with TP-18 tape pk-biased at 1 kHz, 12 dB below tape saturation, 15 IPS dupl. data with 500 kHz bias, 8 & 80 kHz.						NRZ digital write/read data, 7.5 IPS, 200 BPI		
							Peak Bias 1 100 kHz rms	Peak Bias V. 100 kHz rms	Audio Record Current rms	1 kHz Play Output rms				10 kHz/1 kHz Output Ratio	Write Current	Read Output 200 BPI	Max. Read Pack. Dens.					
							mA	V	uA	mV				dB	P-P mA	P-P mV	BPI					
CASSETTE 2-track Mono Heads .057-inch (1.45-mm) single track. Located .046-in. (1.17-mm) below center of head face.		5130	37W	W1R6F-A	RP	2	200	1500	175	50	—	0.5	30	40	0.5	-12	1	9	1600			
		5131	37W	W1R8N-A	R	4	10	75	35	200	—	1.8	7	140	—	—	7	3.6	800			
		5132	37W	W1R4F-A	RP	2	80	600	110	50	—	0.6	30	50	0.3	-12	3	6	1600			
		5133	37W	W1R5F-A	RP	2	50	300	80	50	—	0.8	15	70	0.2	-12	4	4	1600			
		5134	37W	W1R8F-A	RP	4	20	135	45	50	—	1.4	10	110	0.14	-12	5	3	1600			
		5140A	37W	(ALPS) HN214844	RP	2	180	1200	185	80	—	0.5	30	30	0.7	-14	1	9	800			
CASSETTE PREMIUM Full Track — Single .130" (3.3-mm) Track		5150	45W	DC11F111N-63A	R	4	10	70	15	200	—	2.5	8	160	—	—	10	10	800			
CASSETTE PREMIUM Full Track — Single .170" (4.3-mm) Track		5151	45W	DC11K121K-A	R	4	3	20	10	100	—	3.2	5	500	—	—	22	5	1600			
CASSETTE Mono RAW head. (Dual Gap) .057" (1.45-mm) Single Track		5160	43W	DC12P060K-Z-A	R	16	10	70	25	100	—	1.5	6	140	—	—	33	—	1600			
					P		30	210	75	100	40	—	—	—	.25	-20	—	10	1600			
CASSETTE STANDARD 2-track 2-channel Heads. .057-inch (1.45-mm) Track Width. .092-inch (2.34-mm) Center-to-Center Track Spacing.		5200	39W	W2P6F-A	RP	2	200	1400	215	50	50	0.3	30	30	0.5	-10	1	9	1600			
		5200D		W2P6F-A																		
		5201	39W	W2P8N-A	P	4	10	80	40	200	50	1.7	25	110	—	—	7	3.6	800			
		5201D		W2P8N-A																		
		5202	39W	W2P8K-A	RP	5	20	140	45	100	50	1.0	9	100	0.2	-17	7	3.6	1600			
		5203	39W	W2P6N-A	R	3	100	700	215	200	50	0.3	20	35	—	—	2	13	800			
		5205	39W	W2P8F-A	P	5	20	135	45	50	50	—	—	—	0.7	-12	5	3	1600			
		5205D		W2P8F-A																		
		5206	39W	W2P4F-A	RP	2	80	600	115	50	50	0.5	20	50	0.4	-12	3	6	1600			
5207	39W	W2P5F-A	RP	2	50	330	80	50	50	0.9	16	70	0.3	-12	4	4	1600					
CASSETTE PREMIUM 2-track 2-channel Heads. 2-mil core laminations for maximum efficiency at high bias and audio frequencies. .057-inch (1.45-mm) Track Width .092-inch (2.34-mm) Center-to-Center Track Spacing.		5220	39W	P-W2P11N-A	R	4	2	15	9	200	50	2.3	15	300	—	—	14	4	800			
		5220D		LP-W2P11N-A																		
		5221	39W	P-W2P11F-A	RP	5	2	20	13	50	50	3.5	17	350	0.4	-12	16	3	1600			
		5221D		LP-W2P11F-A																		
		5222	39W	P-W2P8F-A	P	5	20	135	45	50	50	—	—	—	1.2	-12	5	3	1600			
		5223	39W	P-W2P8F-61NO	R	17	20	135	45	50	50	—	—	—	1.2	-12	5	3	1600			
		5224D	39W	LP-W2P11N-61NO	R	17	2	15	9	200	50	2.3	15	300	—	—	14	4	800			
5225	39W	P-W2P2N-A	R	4	.15	1	1	200	50	12	4.3	1200	—	—	60	1	800					
CASSETTE 4-track Stereo Head .024-inch (0.61-mm) Tracks (2) — .035-inch (0.9-mm) C-C Spacing		5230A	38W	(ALPS) HN424401 W2J4F-A	RP	18	140	850	150	50	30	.45	18	30	.25	-10	3	2.5	1600			
CASSETTE Read-After-Write Heads Two-channel Dual-gap heads for digital write/read or audio record and monitor. .057-inch (1.45-mm) Write Track (2) .036-inch (0.9-mm) Read Track (2) .092-inch (2.34-mm) C-C Track Spacing		5260	42W	DC22P060K-2-A	R	19	10	70	25	100	40	1.5	6	140	—	—	33	—	1600			
		P	30	210	75		100	—	—	—	.25	-20	—	10	—							
		5261	42W	DC22P084K-2-A	R	19	14	100	28	100	40	5.0	1.2	110	0.3	-12	30	—	1600			
P	150	1000	165	50	—		—	—	—	—	—	—	—	—	15	—						
CASSETTE 4-CHANNEL HEADS Capable of recording and playing all four channels of the standard cassette stereo format. Heads have all-metal faces, precise track alignment, and unusually low crosstalk. .021-inch (0.53-mm) Track Width (4) 5-mil laminations (Std. P & LP types) 2-mil laminations (Prem. P2 & LP2 types) for lower losses at very high bias frequencies.		5410	51W	P-W4J4F-A	RP	2	80	550	170	50	55	0.5	14	40	0.2	-12	3	4	1600			
		5411D		LP-W4J4F-A																		
		5411C	51W	P-W4J8N-A	R	4	10	85	60	200	55	1.5	24	120	—	—	9	2	800			
				LP-W4J8N-A																		
		5412	51W	P-W4J11N-A	R	4	2	30	27	200	55	7	12	250	—	—	16	1	800			
		5413	51W	P-W4J8F-A	P	5	20	150	65	50	55	—	—	—	.6	-12	6	2	1600			
		5413D		LP-W4J8F-A																		
		5414D	51W	LP2-W4J11N-61NO	R	17	2	30	27	200	55	3.3	11	270	—	—	16	1	800			
		5415D	51W	LP2-W4J25N-A	R	4	.25	8	6	200	55	13	4	900	—	—	50	.3	800			
		5416	51W	P-W4J4F-61N	RP	17	80	550	170	50	55	0.5	14	40	0.2	-12	3	4	1600			
5417	51W	P2-W4J11N-A	R	4	2	30	27	200	55	3.3	11	270	—	—	16	1	800					
5417D		LP2-W4J11N-A																				

RECORD/PLAY PLAYBACK RECORD	MAGNETIC HEADS 1/4-INCH TAPE	RCD MODEL NO., NO MOUNT ("D" indicates DURACORE) (1-Heads have mounts)	Outline Drawing & Case Size	Rear Mount NORTONICS Head Model No.	Rear Mount Drawing No.	QEM NORTONICS Head No. ("R" Rear Mount Head No.) ("LP" indicates DURACORE)	Head Function	Application Notes	Inductance, 1 kHz	Impedance, 1 kHz	Resistance, D.C.	Gap Spacer	Crosstalk Rejection 1 kHz	7.5 IPS unequalized R/P response using 3M176 tape pk-biased at 1 kHz, 12 dB below tape saturation.						NRZ digital write/read data, 7.5 IPS, 200 BPI		
														Peak Bias 1 100 kHz rms	Peak Bias V. 100 kHz rms	Audio Record Current rms	1 kHz Play Output rms	10 kHz/1 kHz Output Ratio	Write Current	Read Output 200 BPI	Max. Read Pack. Dens.	
														mA	V	uA	mV	dB	P-P mA	P-P mV	BPI	
4-Track 4-Channel Heads for 1/4-inch tape. PREMIUM P-BQQ models have superior crosstalk rejection, as do the B4Q models. BQQ: .037-inch (.95-mm) Track Width .071-inch (1.8-mm) C-C Track Spacing B4Q: .042-inch (1.07-mm) Track Width .067-inch (1.7-mm) C-C Track Spacing		5601	12B	5651	58	P-BQQ4R	R	3	50	380	220	500	55	0.6	17	65	—	—	2.7	14	400	
		5602	12B	5652	58	P-BQQ4K	RP	2	100	650	245	100	55	0.6	30	60	0.7	+4	2.7	14	1600	
		5603	12B	5653	58	P-BQQ7K	RP	2	400	2600	760	100	55	—	—	—	1.5	+4	1.5	28	1600	
		5604	12B	5654	58	P-BQQ23R	R	4	12	100	55	500	50	1.4	8.5	110	—	—	5	7	400	
		5605	12B	5655	58	P-BQQ5K	RP	5	4	24	35	100	55	4	5	150	.15	+2	11	3	1600	
		5606 5606D	12B	5656	58	P-BQQ9K LP-BQQ9K	RP	5	10	75	40	100	50	2.3	8.5	170	0.3	+2	7	4	1600	
		5607	12B	—	—	P-BQQ10R	R	4	4	42	32	500	50	2.6	5	230	—	—	9	4	400	
		5609†	12B	—	—	BQQ4L-B10	RP	2	85	550	230	160	35	0.6	23	60	0.8	+4	2.7	14	1600	
		5610 5610D	12B	—	—	BQQ4K-N LBQQ4K-N	RP	2	100	670	230	100	40	0.5	32	60	0.7	+4	2.7	14	1600	
		5611†	12B	—	—	BQQ4R-B	R	3	50	320	230	500	40	0.7	22	60	—	—	2.7	14	400	
		5612†	12B	—	—	BQQ4L-B	RP	2	85	550	230	160	35	0.6	23	60	0.8	+4	2.7	14	800	
		5613 5613D	12B	—	—	BQQ4R-N LBQQ4R-N	R	3	50	320	230	500	40	0.7	22	60	—	—	2.7	14	400	
		5614 5614D	12B	—	—	BQQ4L-N LBQQ4L-N	RP	2	85	550	230	160	35	0.6	23	60	0.8	+4	2.7	14	800	
		5630	13B	—	—	B4Q4K-N	RP	2	100	700	195	100	50	0.7	35	65	0.7	+4	2.7	14	1600	
	PREMIUM 3-Channel Heads for 1/4-inch tape. Hyperbolic metal-face record and play heads with three channels. Popularly used on the NAB-type stereo cartridge tape machines. .043-inch (1.1-mm) Track Width (3) .100-inch (2.54-mm) C-C Track Spacing		5701 5701D	11B	5751 5751D	58	P-B3Q7K LP-B3Q7K	RP	2	350	2200	780	100	50	—	—	—	1.5	+4	1.6	36	1600
		5702	11B	5752	58	P-B3Q4K	RP	2	100	650	260	100	50	0.7	30	60	0.9	+4	2.7	18	1600	
		5703 5703D	11B	5753 5753D	58	P-B3Q4R LP-B3Q4R	R	3	50	410	260	500	50	0.7	17	60	—	—	2.7	18	400	
		—	11B	5754	58	P-B3Q7K-R6-4U*	RP	2	350	2200	780	100	50	—	—	—	1.5	+4	1.6	36	1600	
		5707	11B	5757	58	P-B3Q6K	RP	2	200	1400	490	100	50	0.5	40	45	1.2	+4	2.3	26	1600	
		5710	11B	—	—	P-B3Q8R	R	4	10	80	47	500	50	1.5	7	130	—	—	8	9	400	
		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Magnetic Head Specifications

RECORD/PLAY PLAYBACK RECORD (Continued)	MAGNETIC HEADS 1/4-INCH TAPE		RCD MODEL NO., NO MOUNT ("D" indicates DURACORE)	Outline Drawing & Case Size	Rear Mount NORTONICS Head Model No.	Rear Mount Drawing No.	OEM NORTONICS Head No. (*Rear Mount Head No.) ("LP" indicates DURACORE)	Head Function	Application Notes	Inductance, 1 kHz	Impedance, 1 kHz	Resistance, D.C.	Gap Spacer	Crosstalk Rejection 1 kHz	3.75 IPS unequalized R/P response using 3M176 tape pk-biased at 1 kHz, 12 dB below tape saturation.					NRZ digital write/read data, 7.5 IPS, 200 BPI		
															Peak Bias 1 100 kHz rms	Peak Bias V. 100 kHz rms	Audio Record Current rms	1 kHz Play Output rms	10 kHz/1 kHz Output Ratio	Write Current	Read Output 200 BPI	Max. Read Pack. Dens.
8-TRACK STEREO Heads for 1/4-inch Tape. Standard Models: .018-inch (.46-mm) Track Width (2) .127-inch (3.23-mm) C-C Track Spacing	5800	35B	5850	58	B2L7K L-B2L7K	RP	2	430	3000	730	100	50	0.3	35	16	.8	-.9	1.2	18	1600		
	5801	35B X	—	—	H899019	P	20	430	3000	800	100	50	0.3	35	16	.8	-.9	1.2	18	1600		
PREMIUM 8-TRACK Stereo heads with fine laminations for improved H.F. performance. .021-inch (.53-mm) Track Width (2) .127-inch (3.23-mm) C-C Track Spacing	5810	35B	—	—	P-B2L8R	R	4	10	70	35	500	50	1.3	5.5	90	—	—	4.0	6	400		
	5811	35B	—	—	P-B2L7K	RP	2	450	3000	650	100	50	0.2	50	20	.8	-.7	1.2	18	1600		
	5813	35B	—	—	P-B2L4R	R	3	50	355	165	500	50	.45	10	40	—	—	1.8	10	400		
4-CHANNEL 8-TRACK Heads for 1/4-inch tape. Two staggered heads may be used to generate all 8 tracks on the tape. .021-inch (.53-mm) Track Width (4) .0635-inch (1.62-mm) C-C Track Spacing	5832	36B	—	—	P-BQL6K	RP	2	200	1350	480	100	35	—	—	—	0.6	-.9	1.6	14	1600		
	5833	36B	—	—	P-BQL4K	RP	2	100	690	270	100	35	.55	25	45	0.4	-.9	2.3	10	1600		
	5834	36B	—	—	P-BQL4R	R	3	50	390	225	500	35	.75	30	60	—	—	2.3	10	400		
	5835	36B	—	—	P-BQL8R	R	4	10	90	60	500	35	2	8.5	140	—	—	4.0	6	400		
	5836	36B	—	—	P-BQL14R	R	4	2	20	15	500	35	3	3	300	—	—	8	4	400		
	5837	36B	—	—	P-BQL7K	P	2	330	2300	760	100	35	—	—	—	.75	-.9	1.2	18	1600		
	5840	36B	—	—	PC-BQL8K	P	5	20	150	45	0.1	50	—	—	—	.15	-.7	4	6	400		
PREMIUM 4-CHANNEL 8-TRACK Heads for 1/4-inch tape. Two heads may be used for all 8 tracks. Incorporate better interchannel shielding for improved crosstalk rejection in duplicator applications. .021-inch (.53-mm) Track Width (4) .0635-inch (1.62-mm) C-C Track Spacing	5841	36B	—	—	PC-BQL8R	R	4	10	70	30	0.5	50	1.6	8	130	—	—	4	6	400		
	5842	36B	—	—	PC-BQL6K	RP	2	200	1300	290	0.1	50	.55	35	35	.45	-.7	1.6	14	1600		
	5843	36B	—	—	PC-BQL14R	R	4	2	15	10	0.5	50	3.8	3.8	320	—	—	8	4	400		
	5844	36B	—	—	PC-BQL4K	RP	2	100	700	130	0.1	50	.75	25	50	0.3	-.7	2.3	10	1600		
	5845	36B	—	—	PC-BQL8R-B35	R	23	10	70	30	0.5	50	1.6	8	130	—	—	4	6	400		
	5846	36B	—	—	PC-BQL8R-B36	R	24	10	70	30	0.5	50	1.6	8	130	—	—	4	6	400		
	5847	36B	—	—	PC-BQL8K-B35	P	23	20	150	45	0.1	50	—	—	—	.15	-.7	4	6	1600		
	5848	36B	—	—	PC-BQL8K-B36	P	24	20	150	45	0.1	50	—	—	—	.15	-.7	4	6	1600		

■ "COMBO" HEADS	ERASE-RECORD/PLAY																	ERASE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	RCD MODEL NO., NO MOUNT (†Heads have mounts)	Outline Drawing & Case Size	Rear Mount NORTONICS Head Model No.	Rear Mount Drawing No.	OEM NORTONICS Model No. (*Hear Mount Model No.)	Head Function	Application Notes	Inductance, 1 kHz mH	Impedance, 1 kHz ohms	Resistance, D.C. ohms	Gap Spacer uIn	Crosstalk Rejection 1 kHz dB	7.5 IPS unequallized R/P response using 3M176 tape pk-biased at 1 kHz, 12 dB below tape saturation.					60 dB erasure from sat. 400 Hz recording 100 kHz supply																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
													Peak Bias 1 100 kHz rms mA	Peak Bias V. 100 kHz rms V	Audio Record Current rms uA	1 kHz Play Output rms mV	10 kHz/1 kHz Output Ratio dB	Inductance Erase 1 kHz mH	Resistance Erase DC ohms	Current, rms mA	Volts rms 100 kHz V																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
"Combo" heads consist of an erase head plus a record/playback or record-only head installed into one head case. "Z-Combo" heads differ in that erase and R/P sections share a common pole structure, permitting the erase and R/P gaps to be spaced only .030 inches apart. The extended-pole version Z-Combo heads work particularly well against hard magnetic oxide surfaces such as film, cards or drums.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

¹Self-biased from erase section; 1.875 IPS, TP-18 Tape.

²Self-biased from erase section; 3.75 IPS, 3M-176 Tape.

Magnetic Head Specifications

■ SPECIAL HEADS	RCD MODEL NO. NO MOUNT (*"D" indicates DURACORE) (†Heads have mounts)	Outline Drawing & Case Size	Rear Mount NORTONICS Head Model No.	Rear Mount Drawing No.	OEM NORTONICS Head No. (*Rear Mount Head No.) ("LP" indicates DURACORE)	Head Function	Application Notes	Inductance, 1 kHz	Impedance, 1 kHz	Resistance, D.C.	Gap Spacer	Crosstalk Rejection 1 kHz	7.5 IPS unequalized R/P response using 3M176 tape pk-biased at 1 kHz, 12 dB below tape saturation.							NRZ digital write/read data, 7.5 IPS, 200 BPI		
													Peak Bias I 100 kHz rms	Peak Bias V. 100 kHz rms	Audio Record Current rms	1 kHz Play Output rms	10 kHz/1 kHz Output Ratio	Write Current	Read Output 200 BPI	Max. Read Pack. Dens.		
													mA	V	uA	mV	dB	P-P mA	P-P mV	BPI		
2-Track Stereo Play, C-size	7251†	23C	7251	58	P-C2H7K-R5*	RP	29	400	2500	440	100	50	0.35	65	40	2.6	+5	1.8	48	1600		
2-Track Stereo Record, C-size	7252†	23C	7252	58	P-C2H4R-R5*	R	29	50	340	120	500	50	0.65	20	80	—	—	3.4	24	400		
3-Track Record, C-size	7253†	—	7253	58	P-C3Q4R-R5*	R	29	50	410	260	500	50	0.7	17	60	—	—	2.7	18	400		
Mono 80-mil Relieved Track	7402†	18G	7402	58	P-G1H7K19-R*	RP	30	400	2500	160	100	—	0.3	70	40	2.6	+5	1.8	48	1600		
Mono 80-mil Play, Lower Track	7405L†	18G	—	—	T1H7K24-9B52D	RP	31	400	2600	175	100	—	0.8	75	40	2.4	+1	1.8	48	1600		
Mono 80-mil Play, Upper Track	7405U†	18G	—	—	T1H7K24-9B52U	RP	31	400	2600	175	100	—	0.8	75	40	2.4	+1	1.8	48	1600		
Mono 80-mil Play	7406	19G	—	—	G1HY5L26-N	RP	2	390	2500	340	160	—	0.3	40	30	3.5	0	1.5	55	800		
Mono 80-mil Hi-out. Play	7410	15B	—	—	B1HC27L-N	P	1	4000	25K	2.4K	160	—	—	—	—	10	-5	—	150	800		
Deep-relief 80-mil Play	7411	15B	—	—	B1HC27L57-N	P	32	4000	25K	2.4K	160	—	—	—	—	10	-5	—	150	800		
Mono Relieved 80-mil Track	7413†	16B	—	59	B1HY7K19-BU	RP	32	400	2600	410	100	—	0.8	75	40	2.4	+1	1.8	48	1600		
80-mil Low-impedance Wide-gap	7420†	19G	—	—	T1HY22T10-B24	R	33	1.8	12	3.5	2K	—	11	6.5	45	—	—	—	—	—		
Duo-Diagonal .043-inch Track	7422	—	—	—	(IVC) H800148	RP	34	400	2600	240	100	50	4	45	30	1.5	+3	—	—	—		
200-mil 16-mm Film Record	7425	31B	—	—	PR-B1F5N72-N	R	35	4	26	5	200	—	8.5	12	750	0.6	+1	26	12	800		
200-mil 16-mm Film Play	7426	31B	—	—	PR-B1F7K72-N	P	35	400	2800	225	100	—	—	—	—	4.0	+4	—	60	800		
80-mil Play, Tapped Mounting Holes	7427	16B	—	—	P-B1HY7K-XN2	P	36	400	2500	160	100	—	0.3	70	40	2.6	+5	1.8	48	1600		
80-mil Mono Play	7456†	19G	7456	58	G1HY2K-R	P	1	800	5000	400	100	—	—	—	—	3.4	+1	1.3	72	1600		
80-mil Play, C-case	7466†	53C	7466	58	C1HY7K-R5	RP	2	400	2600	410	100	—	0.8	75	40	2.4	+1	1.8	48	1600		
4-Track Stereo RP, Special Stud	7601†	1B	—	—	P-R2Q7K7-RB6	RP	37	400	2600	400	100	50	0.3	67	30	1.6	+4	1.6	36	1600		
4-Track Stereo RP, Tapped Hole	7602	1B	—	—	P-B2Q4F17-N9	RP	38	150	950	100	50	50	0.8	45	60	0.8	+3	3.1	24	1600		
B-case Dummy Head	7605 7605D	52B	7655 7655D	58	Dummy Head	—	39	—	—	—	—	—	—	—	—	—	—	—	—	—		
4-Track Stereo RP, G-case	7608	3G	7658	58	P-G2Q7K-NO	RP	2	400	2600	400	100	50	0.3	67	30	1.6	+4	1.6	36	1600		
4-ch. RP, Special Mounting Plate	7609	36B	—	—	PBQL4K-39B38	RP	40	100	690	270	100	35	.55	25	45	0.4	-9	2.3	10	1600		
.043-inch Mono Play	7610	4B	—	—	P-B1QY6F2	P	41	210	1300	165	50	—	—	—	—	1.2	+4	2.2	26	1600		
1-inch Ferrite Erase	7721	57RX	—	—	H806038	E	42	See Erase Head Section for specifications														

■ PROFESSIONAL HEADS	B-size Case 1/4-inch Tape Deposited Quartz Gaps Hyperbolic Metal Faces Laminated Cores Extended Low Frequencies DURACORE options NAB Track Standards	RCD MODEL NO., NO MOUNT ("D" indicates DURACORE) ("H" indicates have mounts)	Outline Drawing & Case Size	OEM NORTONICS Head No. ("R" Rear Mount Head No.) ("LP" indicates DURACORE)	Head Function	Application Notes	Inductance, 1 kHz mH	Impedance, 1 kHz ohms	Resistance, D.C. ohms	Gap Spacer u/in	Crosstalk Rejection 1 kHz dB	7.5 IPS unequalized R/P response using 3M206 tape pk-biased at 1 kHz, 12 dB below tape saturation.							NRZ digital write/read data, 7.5 IPS, 200 BPI		
												Peak Bias I 100 kHz rms mA	Peak Bias V. 100 kHz rms V	Audio Record Current rms uA	1 kHz Play Output rms mV	10 kHz/1 kHz Output Ratio dB	Write Current P-P 3V	Read Output 200 BPI P-P 3V	Max. Read Pack. Dens. BPI		
W & P Series 2-Track Stereo Format .080-inch (2.0-mm) Track Width .160-inch (4.0-mm) C-C Track Spacing WP Series play heads have low frequency play response down to 25 Hz at 7.5 ips tape speed		8200	21B	WP-B2H2K	P	1	800	5400	590	100	50	—	—	—	2.5	+4	—	72	1600		
		8201 8201D	20B	P-B2H8R LP-B2H8R	R	4	10	2700	27	500	50	2.2	10	180	—	—	9.0	12	400		
		8202	21B	WP-B2H6K	RP	2	200	1300	215	100	50	0.7	60	60	1.8	+3	2.7	36	1600		
		8203	20B	P-B2H3R	R	3	30	200	75	500	50	1.2	25	100	—	—	3.5	22	400		
		8204 8204D	20B	P-B2H4R LP-B2H4R	R	3	50	340	120	500	50	0.8	22	80	—	—	3.4	24	400		
		8205	21B	WP-B2H7K 12-3N2	P	43	400	2500	350	100	50	0.5	90	40	2.0	+4	1.8	48	1600		
		8206	20B	P-B2H37R 12-3N2	R	43	3.0	23	14	500	50	4.4	5.5	350	—	—	5.0	25	400		
		8207	21B	WP-B2H37N	RP	5	5.0	33	14	200	50	5.7	10	400	0.4	+1	4.0	28	400		
		8208	21B	WP-B2H7F	P	1	400	2500	310	50	50	—	—	—	1.9	+5	—	45	2400		
		8209	21B	WP-B2H7K	RP	2	400	2500	350	100	50	0.5	90	40	2.0	+4	1.8	48	1600		
		8210	21B	WP-B2H8K	RP	5	20	120	28	100	50	2.4	20	160	0.6	+3	8.0	12	1600		
		8214	—	Use #9214	R	4	—	—	—	—	—	—	—	—	—	—	—	—	—		
W & P Series 2-Track Mono Format .080-inch (2.0-mm) Track Width Track located .040-inch (1.0-mm) from face center WP Series play heads have low frequency response down to 25 Hz at 7.5 ips tape speed		8400	17B	WP-B1HY2K	P	1	800	5300	325	100	—	—	—	2.5	+4	—	72	1600			
		8401	16B	P-B1HY8R	R	4	10	70	27	500	—	2.2	10	180	—	—	9.0	12	400		
		8402	17B	WP-B1HY8K	RP	5	20	120	28	100	—	2.4	20	160	0.6	+3	8.0	12	1600		
		8403	17B	WP-B1HY7K	RP	2	400	2500	140	100	—	0.5	90	40	2.0	+4	1.8	48	1600		
		8404	16B	P-B1HY4R	R	3	50	320	70	500	—	0.9	25	75	—	—	3.4	24	400		
		8406	17B	WP-B1HY7F	P	1	400	2500	310	50	—	—	—	—	1.9	+5	—	45	2400		
		8408	16B	P-B1HY6K24	RP	2	200	1.3K	95	100	—	0.7	50	60	1.8	+4	2.7	36	1600		
		8409	17B	WP-B1HY9K	RP	5	10	65	20	100	—	3.4	13	250	0.4	+3	12.0	9	1600		
		8414	16B	P-B1HY14R	R	4	2	15	5.5	500	—	5.0	3.5	250	—	—	18.0	7	400		
W & P Series 4-Track Stereo Format .043-inch (1.1-mm) Track Width .136-inch (3.45-mm) Track Spacing WP series play heads have low frequency play response down to 25 Hz at 7.5 ips tape speed		8600	2B	WP-B2Q2K	P	1	800	5000	640	100	50	—	—	—	2.2	+4	—	52	1600		
		8601	1B	WP-B2Q7F	P	1	500	3200	315	50	50	—	—	—	1.3	+5	—	36	2400		
		8602	1B	P-B2Q3R	R	3	30	200	56	500	50	1.1	14	90	—	—	3.0	15	400		
		8603	1B	P-B2Q4R	R	3	50	350	100	500	50	0.7	28	60	—	—	2.7	18	400		
		8604	1B	P-B2Q8R	R	4	10	70	32	500	50	2.0	8	130	—	—	6.2	9	400		
		8606	2B	WP-B2Q4-K	RP	2	100	640	100	100	50	0.8	30	55	0.8	+3	3.1	24	1600		
		8607	2B	WP-B2Q6K	RP	2	200	1300	190	100	50	0.5	45	45	1.2	+4	2.2	26	1600		
		8608	2B	WP-B2Q7K	RP	2	400	2500	350	100	50	0.4	60	30	1.6	+4	1.6	36	1600		
		8609	2B	WP-B2Q5L	RP	5	5	32	6	160	50	4.0	7	300	0.15	+3	12.0	4	1600		
		8610	2B	WP-B2Q8K	RP	5	20	130	32	100	50	2.2	11	140	0.3	+3	6.2	8	1600		
		8614	1B	P-B2Q14R	R	4	2	15	6	500	50	4.0	3	300	—	—	15.0	3	400		
		8618	2B	WP-B2Q18N	RP	5	8	65	40	200	50	3.0	9	210	0.35	0	13.0	4	400		
"PRO" Series Full Track Mono .240-inch (6.1-mm) Track Width PRO Series play heads have low frequency response down to 25 Hz at 15 ips tape speed		9102 9102D	31B	PR-B1F2K LPR-B1F2K	P	1	650	4200	400	100	—	—	—	—	5.0	+3	—	75	800		
		9103 9103D	31B	PR-B1F8R LPR-B1F8R	R	4	10	65	10	500	—	4.5	25	400	—	—	14.0	22	400		
		9104 9104D	31B	PR-B1F11R LPR-B1F11R	R	4	4	26	3.3	500	—	9.0	14	650	—	—	22.0	14	400		
		9105	31B	PR-B1F4R	R	3	50	310	60	500	—	1.3	50	180	—	—	4.5	26	400		
		9106	31B	PR-B1F9K	RP	5	10	65	15	100	—	10.0	30	600	0.6	0	25.0	12	800		
		9107	31B	PR-B1F3R 12-3N2	R	43	30	190	19	500	—	1.8	30	180	—	—	8.0	40	400		
		9108	31B	PR-B1F7K 12-3N2	P	43	400	2500	195	100	—	—	—	—	4.7	+3	—	60	800		
		9109 9109D	31B	PR-B1F5L LPR-B1F5L	RP	5	5	25	5	160	—	12.0	17	720	0.7	0	26.0	12	800		
		9110 9110D	31B	PR-B1F4K LPR-B1F4K	RP	2	100	650	100	100	—	1.5	100	180	2.0	+2	4.5	26	800		

Magnetic Head Specifications

PROFESSIONAL HEADS (Continued)	RCD MODEL NO., NO MOUNT ("D" indicates DURACORE) (Heads have mounts)	Outline Drawing & Case Size	OEM NORTONICS Head No. (Heads have mounts) ("LP" indicates DURACORE)	Head Function	Application Notes	Inductance, 1 kHz	Impedance, 1 kHz	Resistance, D.C.	Gap Spacer	Crosstalk Rejection 1 kHz	7.5 IPS unequalized R/P response using 3M206 tape pk-biased at 1 kHz, 12 dB below tape saturation.					NRZ digital write/read data, 7.5 IPS, 200 BPI		
											Peak Bias I 100 kHz rms	Peak Bias V. 100 kHz rms	Audio Record Current rms	1 kHz Play Output rms	10 kHz/1 kHz Output Ratio	Write Current	Read Output 200 BPI	Max. Read Pack. Dens.
"PRO" Series — Full Track Mono — Continued	9111	31B	PR-B1F6N	RP	2	200	1300	85	200	—	—	—	—	4.0	+3	5	75	800
	9111D	31B	LPR-B1F6N	RP	2	200	1300	85	200	—	—	—	—	4.0	+3	5	75	800
	9112	31B	PR-B1F3R	R	3	30	190	19	500	—	2.7	42	220	—	—	8	40	400
	9113	31B	PR-B1F14R	R	4	2	12	2.2	500	—	12.0	10	900	—	—	26	12	400
	9113D	31B	LPR-B1F14R	R	4	2	12	2.2	500	—	12.0	10	900	—	—	26	12	400
"PRO" Series 2-Track Stereo Format .082-inch (2.1-mm) Track Width .156-inch (3.95-mm) Track Spacing PRO Series play heads have low frequency response down to 25 Hz at 15 ips tape speed	9118	31B	PR-B1F5F	P	6	5	25	8.6	50	—	—	—	—	0.3	+1	—	—	—
	9119	31B	PR-B1F7K	P	1	400	2500	195	100	—	—	—	—	4.7	+3	—	60	800
	9202	22B	PR-B2H12K	P	1	660	4100	395	100	50	—	—	—	3.5	+3	—	75	800
	9202D	22B	LPR-B2H12K	P	1	660	4100	395	100	50	—	—	—	3.5	+3	—	75	800
	9203	22B	PR-B2H8R	R	4	10	70	22	500	50	3.0	15	250	—	—	10	12	400
	9203D	22B	LPR-B2H8R	R	4	10	70	22	500	50	3.0	15	250	—	—	10	12	400
	9204	22B	PR-B2H11R	R	4	4.5	30	15	500	50	4.5	10	350	—	—	16	8	400
	9204D	22B	LPR-B2H11R	R	4	4.5	30	15	500	50	4.5	10	350	—	—	16	8	400
	9205	22B	PR-B2H4R	R	3	50	330	95	500	50	0.9	35	130	—	—	4.5	26	400
	9205D	22B	LPR-B2H4R	R	3	50	330	95	500	50	0.9	35	130	—	—	4.5	26	400
	9206	22B	PR-B2H9K	RP	5	10	65	15	100	50	7.0	22	400	0.4	0	25	12	1600
	9206D	22B	LPR-B2H9K	RP	5	10	65	15	100	50	7.0	22	400	0.4	0	25	12	1600
	9207	22B	PR-B2H6K	RP	2	200	1300	195	100	50	1.0	90	100	2.0	+2	3	36	1600
	9208	22B	PR-B2H5L	RP	5	5	26	4.2	160	50	7.5	12	600	0.3	0	22	4.5	800
	9208D	22B	LPR-B2H5L	RP	5	5	26	4.2	160	50	7.5	12	600	0.3	0	22	4.5	800
	9210	22B	PR-B2H8K	RP	5	20	130	20	100	50	5.0	30	330	0.5	+1	10	12	1600
	9211	22B	PR-B2H4K	RP	2	100	640	95	100	50	1.5	75	150	1.3	+2	4.5	26	1600
	9211D	22B	LPR-B2H4K	RP	2	100	640	95	100	50	1.5	75	150	1.3	+2	4.5	26	1600
	9213	22B	PR-B2H7K	P	1	400	2700	200	100	50	—	—	—	3.0	+2	2.5	50	1600
	9213D	22B	LPR-B2H7K	P	1	400	2700	200	100	50	—	—	—	3.0	+2	2.5	50	1600
	9214	22B	PR-B2H14R	R	4	2	16	10	500	50	12.0	13	800	—	—	22	5	400
	9214D	22B	LPR-B2H14R	R	4	2	16	10	500	50	12.0	13	800	—	—	22	5	400

STUDIO HEADS 1/2-INCH, 1-INCH 2-INCH TAPE RECORD, PLAYBACK, AND RECORD/PLAY Professional quality heads with Hyperbolic Al- metal Faces, Deposited Quartz Gaps, and Lamin- ated Cores. For detailed dimensions and mounting information, request from NORTONICS or your Dealer our Form #9223 Audio Catalog.	NORTONICS RCD MODEL NO.	NORTONICS OEM MODEL NO.	Head Function	Application Notes	Inductance 1 kHz mH	Impedance, 1 kHz Ohms	Resistance, D.C. Ohms	Gap Spacer uIn	Crosstalk Rejection 1 kHz dB	Average 15 ips Constant Current R/P char- acteristics using 3M206 tape peak biased at 1 kHz and recorded at 12 dB below tape saturation.				
										Peak Bias Current mA	Bias Volts RMS 100 kHz V	Record Current uA	Output RMS 1 kHz mV	10 kHz/1 kHz Ratio dB
1/2-inch Tape, 3-Channel Format .100-inch (2.54-mm) Track Width, .185-inch (4.72-mm) Center-to-Center Track Spacing	9360	STP-3S9-E13	Play	44	600	5000	510	200	50	—	—	—	3.5	+6
	9361	STR-3S5-E12	Record	44	4	30	8	500	50	9	9	—	400	—
1/2-inch Tape, 4-Channel Format .070-inch (1.78-mm) Track Width .130-inch (3.30-mm) Center-to-Center Track Spacing	9460	STP-4B8-E3	Play	44	650	4200	650	200	50	—	—	—	3.7	+6
	9461	STR-4BN7-E23	Record	44	4	30	14	500	50	6	9	—	375	—
	9464	STP-4B8-F53	Play	45	650	4200	650	200	50	—	—	—	3.7	+6
	9465	STR-4BN7-F64	Record	45	4	30	14	500	50	6	9	—	375	—
	9469	STR-4BN31-E99	R/P	44	4	30	10	200	50	7	10	430	0.2	+6
	9474	STP-4B31-F93	R/P	45	4	30	10	200	50	7	10	430	0.2	+6
	9476	STP-4B32-E100	Play	44	100	650	150	100	50	—	—	—	1.3	+7
	9477	STP-4B46-N148	R/P	46	2	15	8	200	50	10	7	630	0.15	+6
1-inch Tape, 8-Channel Track Format .070-inch (1.78-mm) Track Width .130-inch (3.30-mm) Center-to-Center Track Spacing	9880	STP-8B8-E33	Play	44	650	4200	650	200	50	—	—	—	3.7	+6
	9881	STR-8BN7-E5D	Record	44	4	30	14	500	50	6	9	—	375	—
	9882	STR-8BN34-E112	Record	44	4	30	10	200	50	7	10	430	—	—
	9885	STR-8BN53-G123	R/P	47	4	30	13	300	50	6	12	570	—	—
	9886	STP-8B51-G124	Play	47	5	35	12	200	50	—	—	—	.55	+6
	9887	9888+9892	R/P/E	48	—	—	—	—	—	See 9888 and 9892				
	9888	STRP-8BN11-N	Record	49	3	20	35	300	50	9	9	—	—	—
	9889	STP-8B35-E113	Play	44	50	350	275	300	50	—	—	500	1.3	+5
2-inch Tape, 16-Channel Track Format .070-inch (1.78-mm) Track Width .127-inch (3.24-mm) Center-to-Center Track Spacing	9920	STR-16BN59-N143	Record	46	7	65	52	500	50	5	14	460	—	—
	9921	STP-16BN60-N144	Play	46	70	500	100	100	50	—	—	—	1.8	+7
1-inch Tape, 12-Channel Track Format .038-inch (.97-mm) Track Width .084-inch (2.14-mm) Center-to-Center Track Spacing	9980	STP-12UN21-E30	Play	44	650	4000	720	200	50	—	—	—	2.0	—
	9981	STR-12UN20-E24	Record	44	6	40	35	500	50	6	10	300	—	—
2-inch Tape, 24-Channel Track Format .038-inch (.97-mm) Track Width .084-inch (2.14-mm) Center-to-Center Track Spacing	9983	STR-24UN54-G130	R/P	47	4	30	15	300	50	6.5	10	380	0.4	+6
	9984	STP-24UN52-G131	Play	47	5	35	15	200	50	—	—	—	0.4	+2
	9988	STR-24UN61-N145	Record	46	7	50	26	400	50	5	12	440	—	—
	9989	STP-24UN62-N146	Play	46	70	500	115	100	50	—	—	—	1.2	+7
	9990	STP-16B8-E27	Play	44	650	4200	650	200	50	—	—	—	3.7	+6
2-inch Tape, 16-Channel Track Format .070-inch (1.78-mm) Track Width .127-inch (3.24-mm) Center-to-Center Track Spacing	9992	STR-16BN7-E09	Record	44	4	30	14	500	50	6	9	375	—	—
	9993	STR-16BN53-G127	R/P	47	4	30	10	200	50	7	10	430	—	—
	9994	STP-16B51-G128	Play	47	5	35	12	200	50	—	—	—	.55	+6
	9995	STRP-16BN11-N	Record	49	3	20	35	300	50	9	9	500	—	—
	9996	—	Play	49	50	350	275	300	50	—	—	—	1.3	+5
	9998	9995+9999	R/P/E	48	—	—	—	—	—	See data for 9995 and 9999 R/P and Erase Heads				

Magnetic Head Specifications

APPLICATION NOTES

■ ERASE HEADS 1/4-INCH TAPE, CASSETTE, AND SPECIALS NORTONICS offers an extremely complete line of erase heads in metal and impregnated. Metal faces give long wear and freedom from oxide buildup.		RCD MODEL NO., NO MOUNT (Heads have mounts)	
Outline Drawing & Case Size			
RCD REAR MOUNT NORTONICS MODEL NO.			
Rear Mount Drawing No.			
DEM NORTONICS MODEL NO. (NO MOUNT)			
Application Notes			
M H	Inductance, 1 kHz		
O Hms	Resistance, D.C.		
M A	Erase Current RMS	Normal Operating Parameters	
V	Erase Voltage RMS 100 kHz		
O Hms	Impedance @ 100 kHz		
d B	Erasure from Sat. 400 Hz		
M A	D.C. Erase Current		
M A			

[illegible]

Metal-Face Castings Heads in B-size Cases																			
CASSETTE 2 TRACK	2-Channel	7221	57RX	—	—	—	—	—	—	H806936/REX101	42	1.0	8	150	100	670	60	230	
		5214	44	—	—	—	—	—	—	W2ER7-A	55	0.47	0.9	130	4	30	60	200	
		5213	44	—	—	—	—	—	—	W2ER9-A	55	0.3	2.2	60	60	10	160	60	90
		5212	44	—	—	—	—	—	—	W2ER5-A	55	1.0	1.0	10	18	18	160	60	40
		5211	44	—	—	—	—	—	—	W2ER3-A	55	12	11.5	7	70	10K	60	10	
		5210	44	—	—	—	—	—	—	W2ER3-A	55	2	14	18	27	1.5K	60	25	
1-inch Ferrite																			

PROFESSIONAL Erase Heads with Ferrite/laminated cores, in B-size Cases									
Full Track Mono	8101	335	—	—	—	—	—	—	8101
	8102	335	—	—	—	—	—	—	8102
	8104	335	—	—	—	—	—	—	8104
	8110	335	—	—	—	—	—	—	8110
2-Track Stereo	8301	295	—	—	—	—	—	—	8301
	8302	295	—	—	—	—	—	—	8302
	8307	295	—	—	—	—	—	—	8307
	8640	105	—	—	—	—	—	—	8640
4-Track Stereo "PRO"	8641	105	—	—	—	—	—	—	8641
	8701	95	—	—	—	—	—	—	8701
	8702	95	—	—	—	—	—	—	8702
	8704	95	—	—	—	—	—	—	8704
4-Track Stereo	8801	145	—	—	—	—	—	—	8801
	8802	145	—	—	—	—	—	—	8802
	8803	145	—	—	—	—	—	—	8803
	8804	145	—	—	—	—	—	—	8804
4-Track, 4-Chan., "PRO"	8805	145	—	—	—	—	—	—	8805
	8806	145	—	—	—	—	—	—	8806
	8807	145	—	—	—	—	—	—	8807
	8808	145	—	—	—	—	—	—	8808

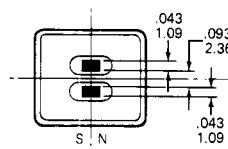
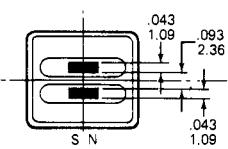
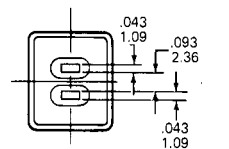
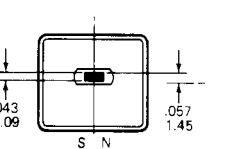
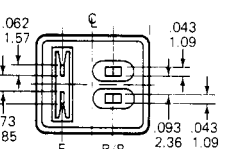
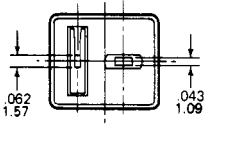
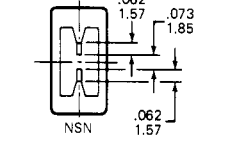
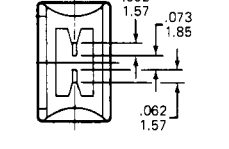
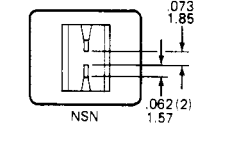
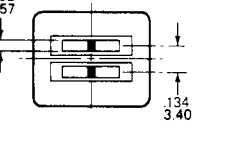
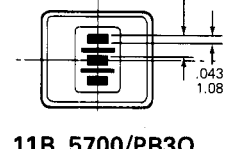
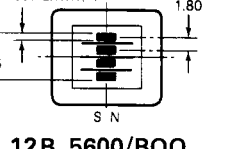
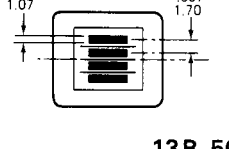
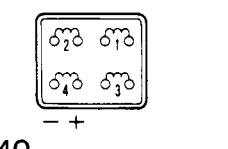
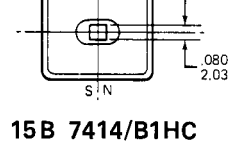
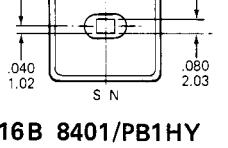
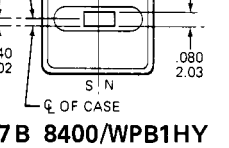
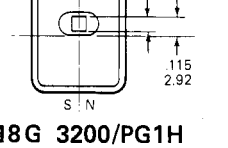
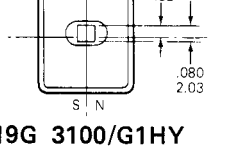
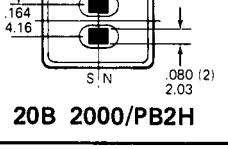
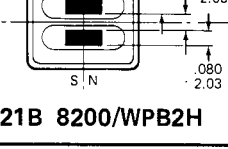
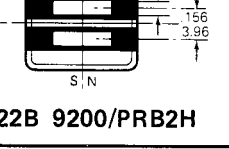
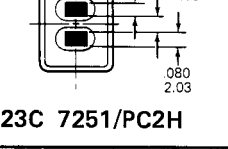
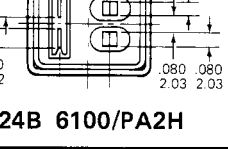
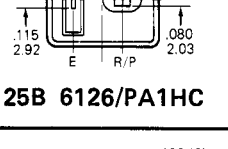
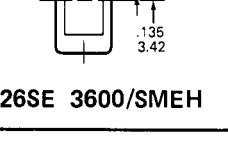
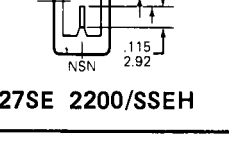
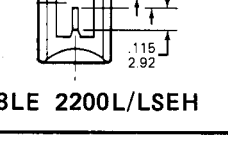
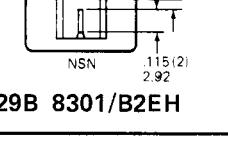
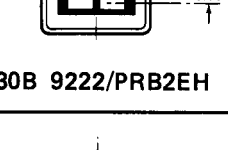
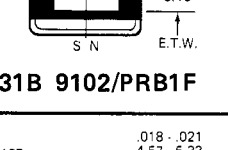
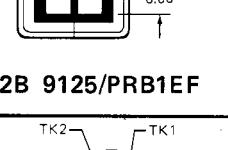
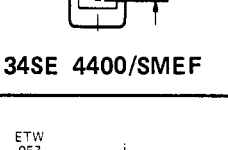
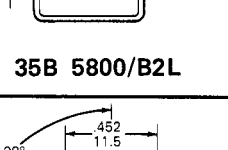
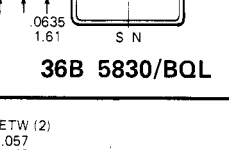
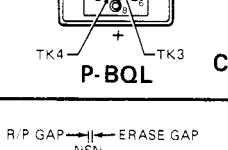
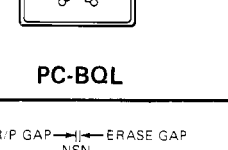
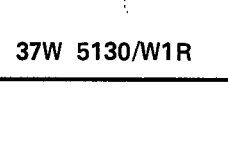
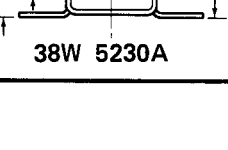
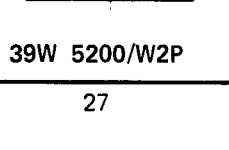
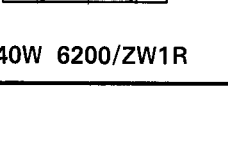
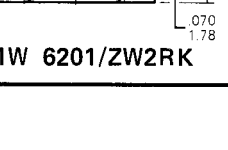
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9126	Ferrite/laminated Cores	Full Track Mono "PRO"	328	PCB	53	1.0	90	9126
9127	Ferrite/laminated Cores	Full Track Mono "PRO"	328	PCB	53	1.0	90	9127
9128	Ferrite/laminated Cores	Full Track Mono "PRO"	328	PCB	53	1.0	90	9128
9222	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9222
9223	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9223
9226	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9226
9227	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9227
9228	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9228
9229	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9229
9230	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9230
9231	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9231
9232	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9232
9233	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9233
9234	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9234
9235	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9235
9236	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9236
9237	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9237
9238	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9238
9239	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9239
9240	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9240
9241	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9241
9242	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9242
9243	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9243
9244	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9244
9245	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9245
9246	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9246
9247	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9247
9248	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9248
9249	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9249
9250	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9250
9251	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9251
9252	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9252
9253	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9253
9254	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9254
9255	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9255
9256	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9256
9257	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9257
9258	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9258
9259	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9259
9260	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9260
9261	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9261
9262	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9262
9263	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9263
9264	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9264
9265	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9265
9266	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9266
9267	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9267
9268	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9268
9269	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9269
9270	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9270
9271	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9271
9272	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9272
9273	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9273
9274	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9274
9275	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9275
9276	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9276
9277	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9277
9278	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9278
9279	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9279
9280	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9280
9281	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9281
9282	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9282
9283	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9283
9284	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9284
9285	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9285
9286	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9286
9287	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9287
9288	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9288
9289	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9289
9290	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9290
9291	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9291
9292	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9292
9293	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9293
9294	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9294
9295	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9295
9296	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9296
9297	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9297
9298	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9298
9299	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9299
9300	Ferrite/laminated Cores	2 Track Stereo "PRO"	308	PCB	53	2.0	90	9300

■ STUDIO ERASE HEADS 1/2-INCH, 1-INCH AND 2-INCH TAPE	Professional quality erase heads of metal construction, with high efficiency ferrite/laminated core structures giving complete erasure with moderate power consumption.	RCD MODEL NO.	1/2" Three Channel	9370	STE-3S4-E11	44/53	0.17	2.2	60	8	110	70
			1/2" Four Channel	9470	STE-4B6-E01	44/53	0.17	3	60	8	110	70
			1" Eight Channel	9681	STE-8B8N5-G122	47/53	1.3	17	120	60	67	900
				9680	STE-8B8-E31	44/53	0.17	3	60	8	110	70
			1" Twelve Channel	9686	STE-12U19-E28	44/53	0.6	4.5	150	6	95	65
			2" Twenty-Four Channel	9687	STE-24UN5B7-M135	51/53	0.7	7	150	500	100	800
				9686	STE-24UN5B7-M135	51/53	0.6	7	150	500	100	800
			2" Sixteen Channel	9697	STE-16B8N6-G125	47/53	0.13	17	170	60	67	900
				9696	STE-16B8N6-E25	44/53	0.13	3	60	8	110	70
				9699	STE-16B8N6-N	46/53	0.17	3	60	8	110	70
						</						

55. Cassette all-ferrite erase heads, with mount and tape guide. Maximum operating frequency 500 kHz—voltage proportionally to frequency.
54. All metal-oxide erase heads for general purpose low cost applications. 100 kHz maximum recommended operating frequency. At lower frequencies reduce voltage proportionately.
53. Do not exceed specified voltage by more than 20% to avoid core saturation.
52. High efficiency erase heads with ferrite/HyMu cores for use at operating frequencies up to 550 kHz. Operating voltage should be set proportional to frequency, i.e., at 150 kHz it is 50% of 100 kHz voltage.
51. AMPEX MM1200 erase, head, with cables, less base mount block. Turn for specified erase head voltage.
50. AG440 requires 0.5-mH, 150-mA choke in series with each head coil. Series requires 1-mH, 150-mA choke for impedance matching.
49. SCULLY 300/440 type mount base included with erase head 300 mounting holes.
48. SCULLY 100 special dual-coil record head, no-mount with 2.56 heads may be purchased separately or as assembly.
47. SCULLY 100-dual-head nest with special dual-coil record/play head. Heads may be purchased separately or as assembly.
46. MCI cables furnished; no mount, with 3-48 tapped holes.
45. No-mount, with 2.56 tapped holes in base.
44. AMPEX 300/440 base mount block supplied with head.
43. SCULLY base plate supplied on head.
42. RCA RT21B special terminal board, base grind, and locating holes. 1.3-inch full-width ferrite erase heads, 0.15 is 25.
41. 3-MIN/4-1/2" A/D tape head; epoxy to original mount plate.
40. LOCKHEED 3 special precision base plate with tapped holes.
39. Dummy head to support tape in MAB cartridge tape players.
38. Has single 4-40 tapped mounting hole in base.
37. Special 4-40 base mount stud for certain Wollensak recorders.
36. SHAWMUT NC200 mill flush 16-mm film head.
35. MAGNASCOPY NC200 mill flush 16-mm film head.
34. IVC 1-inch dual-track audio/control head with angled gaps.
33. Special changer record head.
32. MOVOLA record track film editor sound head.
31. TAPE-A-HON mono play head, "L," "lower track," "U," upper track, head.
30. SHAWMUT "picture head" with 80-mil relieved track for 16-mm erase stripe. Remove wear-shoe from old head and epoxy it to new head.
29. Special C-cassette rear mount head for certain model SPOTMASTER cartridge recorders.
28. Z-Combo erase-RP head with 0.020-inch expanded track. Typical application: record and play on 0.030 magnetic stripe of Super-8 film.
27. IVC special F-cassette Z-Combo Audio II erase-RP with flush 13-mil track.
26. Z-COMBO cassette erase-RP head, 0.030-inch gap separation.
25. COMBO combination erase-RP head, both erase and RP units in B-case.
24. A-23, but lower tracks.
23. Cartridge duplicator.
22. Special precision non-adjustable mount, upper tracks, for 8-track Viking tape transports.
21. "LE." Large-cassette erase heads with locating holes for RCA RT1B.
20. Special "8X" case size, .550W x .530H to fit original mount.
19. Two-channel dual-gap read-after-write head with #2 cylindrical face contour, for digital cassettes or audio record/monitor head.
18. ALP stereo cassette R/P head.
17. Special No-mount head with case hole and slot to fit TELEX duplicator mounts.
16. Single-channel read-after-write head with #2 cylindrical face contour. Typical application on digital cassette recorder, or audio record/monitor head.
15. Mini-L-head with proj. track for use on 16-mm film or hard surfaces. mm film.
14. Mini, M-size RP head with 70-mil relieved track, rear mount.
13. Miniature M-size erase head, 90-mil relieved track, rear mount.
12. 16-mm projector, 42-mil AFKnoL cores and no-thread base stud mount.
11. Special relieved 42-mil L-head for playback on RCA TF66 magnetic oxide stripe of Super-8 film.
10. Miniature L-head with 24-mil projecting track. Typical use: on 30-mil magnetic oxide stripe of Super-8 film.
9. Center-track (Y-offset) heads to replace obsolete GMM solid-core heads.
8. Special long-stud rear mount for TAPECASTER. (Will also fit other machines.)
7. Special dual-impedance R/P head for RCA RT7 cartridge machines.
6. Special fine-gap play head for 3.75 ips and lower tape speeds.
5. Playback or for transformer-input play amplifier.
4. Low impedance play or R/P head for high speed duplicator master recorders.
3. Medium impedance record head for high speed duplicators or professional recorders.
2. High impedance play-only head.
1. Medium impedance play or record/play.

Head Outlines

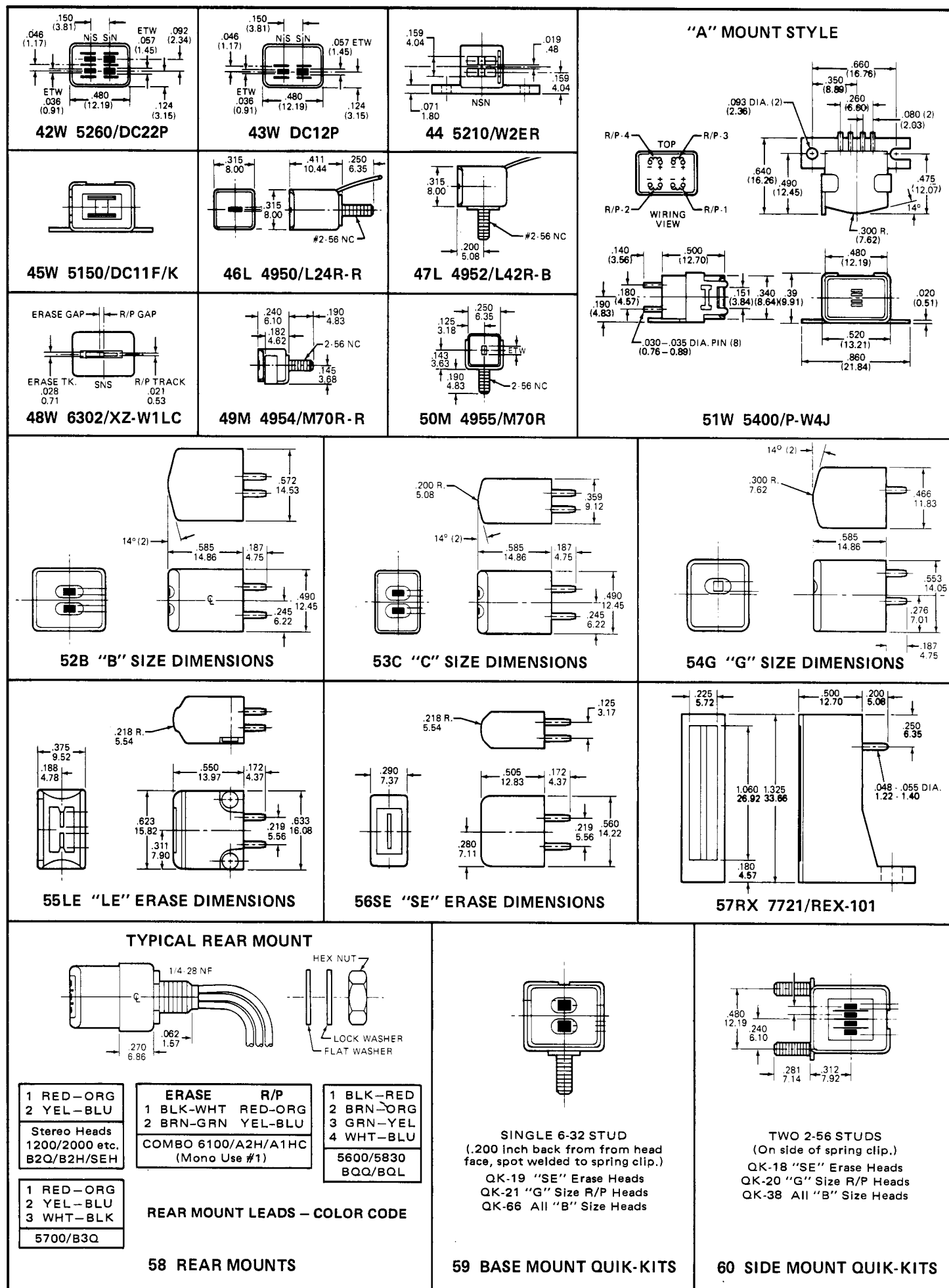
NOTE: DIMENSIONS ARE SHOWN IN INCHES OVER MILLIMETERS.

 1B 1200/PB2Q	 2B 8600/WPB2Q	 3G 7608/PG2Q	 4B 7610/PB1QY	 5B 6000/PA2Q
 6B 6026/A1QC	 7SE 1400/SSEQ	 8LE 1400L/LSEQ	 9B 8701/B2EQ	 10B 8640/PRB2EQ
 11B 5700/PB3Q	 12B 5600/BQQ	 13B 5630/B4Q	 14B 8801/PCB4EQ	
 15B 7414/B1HC	 16B 8401/PB1HY	 17B 8400/WPB1HY	 18G 3200/PG1H	 19G 3100/G1HY
 20B 2000/PB2H	 21B 8200/WPB2H	 22B 9200/PRB2H	 23C 7251/PC2H	 24B 6100/PA2H
 25B 6126/PA1HC	 26SE 3600/SMEH	 27SE 2200/SSEH	 28LE 2200L/LSEH	 29B 8301/B2EH
 30B 9222/PRB2EH	 31B 9102/PRB1F	 32B 9125/PRB1EF	 33B 8101/B1EF	
 34SE 4400/SMEF	 35B 5800/B2L	 36B 5830/BQL	 37W 5130/W1R	 38W 5230A
 39W 5200/W2P	 40W 6200/ZW1R	 41W 6201/ZW2RK	 42W 6202/ZW2RK	 43W 6203/ZW2RK

F

Head Outlines

NOTE: DIMENSIONS ARE SHOWN IN INCHES OVER MILLIMETERS.



Nortronics Mounting Hardware and Accessories

Nortronics offers a variety of hardware and mounting accessories for use with replacement heads. These are available from nationwide Nortronics dealers as 'off the shelf' items and are detailed below:

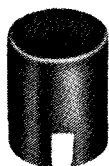
BIAS OSCILLATOR TRANSFORMERS



T-70 SERIES
for p.c. board
mounting only

Cat. No. Description

- T70-T2 For Xsistor circuits, 50-120 KHz & 40, 80 or 120 Volts RMS.
T70-T5 For Xsistor circuits, 150-200 KHz.
T70-T6 For Xsistor circuits, 230-500 KHz & 70 Volts RMS.

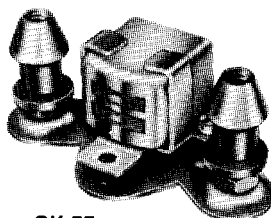


T-60 SERIES
for chassis mounting only

Cat. No. Description

- T60-T2 For Xsistor circuits, 60-110 KHz & 40, 80 or 120 Volts RMS.
T60-T6 For Xsistor circuits, 230-500 KHz & 70 Volts RMS.
T60-E For Vacuum Tube circuits, 40-70 KHz & 7 or 120 Volts RMS.
T60-F For Vacuum Tube circuits, 60-100 KHz & 60 or 150 Volts RMS.

QUIK-KIT MOUNTING BRACKETS



QK-75

QK-74 Universal Mounting Bracket. A unique, general-purpose assembly featuring alignment for head, face and azimuth. Two TG-7 guide posts may be added if desired, or tabs for guide posts may be snapped-off for limited space applications. Base features holes for mounting on recorder. For all Nortronics No-Mount Record, Play, Record/Play and Combo heads except 3000-3299 Series and miniature heads. Also fits special "B" Case Erase heads. Base size with tabs: 1 1/16" W x 1 27/32" L. Base size without tabs: 1 1/16" W x 1 7/32" L.

QK-75 Identical to QK-74, but two TG-7 guide posts are included.

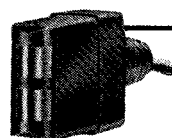
QK-77 Identical to QK-74, but for No-Mt. heads in 3000-3299 Series.

QK-78 Identical to QK-74, but for No-Mount erase heads. Does not fit special "B" Case or "L" Case heads.

QK-76 Mounting hardware to convert many AMPEX nests to Nortronics heads. Includes mounting block with hardware and plug.

OTHER QUIK-KIT MOUNTS AVAILABLE

QK-18 Std. Erase - Side	QK-88 Magnecord 728	QK-112 810-042
QK-19 Std. Erase - Base	QK-89 Scully Adaptor	QK-113 810-043
QK-20 "G" Case - Side	QK-90 Scully Adaptor	QK-114 810-055 "B" Cart.
QK-21 "G" Case - Base	QK-91 Scully	QK-115 810-056
QK-35 "B" Case - Sp. Base	QK-92 Ampex 600	QK-116 Roberts
QK-38 "B" Case - Side	QK-93 Otari	QK-117 810-066
QK-66 "B" Case - Base	QK-94 Pioneer RT701	QK-119 Sony 300 R/P
QK-73 Electro Sound	QK-95 Pioneer 2022	QK-300 Pentron
QK-79 Ampex AG440	QK-101 Bell & Howell	QK-304 Concertone - Erase
QK-82 Tandberg	QK-102 "B" Dual-Stud Base	QK-305 Sony - Erase
QK-84 Concertone	QK-105 Bell & Howell	QK-306 Sony - Erase - Lge.
QK-85 Teac	QK-106 Concertone "B"	QK-701 Pioneer RT701
QK-86 Ampex 900/600	QK-110 810-045	Oscillator
QK-87 Ampex PR-10	QK-111 810-046	



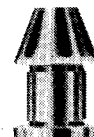
CONTACTOR HEAD
for end-of-tape sensing/
track switching

- CH-3-N/B Contactor head, no mount head including base mount adapter
CH3-R Contactor head, Rear/Mount
WCH3-A Contactor head, cassette



TAPE GUIDE PLATE

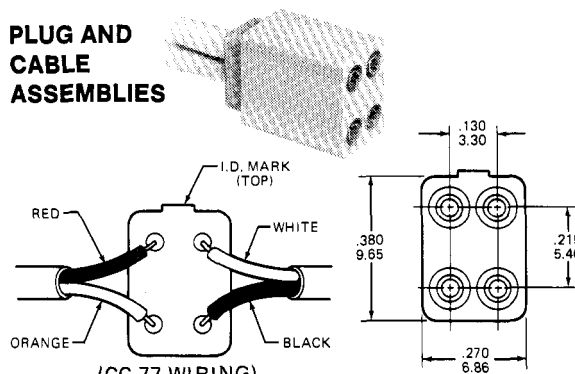
TG-8 Stainless Steel for use with side-mount heads when space prohibits use of a TG-7 guide post or when replacing side-mount heads with a built-in tape guide. Can be used with L-5 or L-6 brackets. Slotted holes provide variable adjustment.
Size: 21/32" H x 25/32" W.



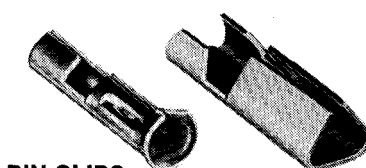
TAPE GUIDE POST

TG-7 Precision guide for positioning and controlling tape path travel. Special chrome-plated brass finish for longest life, minimum wear. Supplied with a variety of mounting hardware.

PLUG AND CABLE ASSEMBLIES



- CC-70** 18" Plug and shielded insulated cable assembly for new model Nortronics heads (except Mono Combo and Cassette heads).
- CC-77** 18" Plug and shielded insulated cable assembly for Nortronics Mono Combo and Cassette heads (except 5400 Series).
- CC-110** 4" Plug and unshielded cable assembly for Mono heads.
- CC-111** 4" Plug and unshielded cable assembly for Stereo heads.



PIN CLIPS

TC-54 Gold-plated beryllium copper (supplied in pkgs. of 100.) For heads with .050" pins.

TC-91 Gold-plated beryllium copper (supplied in pkgs. of 100.) For heads with .030" pins.

PRESSURE PAD STRIPS

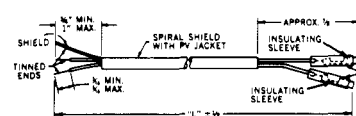
PP-5 Pressure Pad Strips, 5/Pkg.

PP-50 Pressure Pad Strips, 50/Pkg.



PIN CLIPS AND CABLE ASSEMBLIES

- CC-55** 9" Terminal Clip and shielded cable assembly (red-orange) 2 per pkg. (for .050" pins only)
- CC-56** As above - coded (yellow-blue)
- CC-57** As above - coded (white-black)
- CC-58** As above - coded (red-black)
- CC-78** 24" Terminal Clip and shielded cable assembly (red-orange) 2 per pkg. (for .050" pins only)
- CC-79** As above - coded (yellow-blue)
- CC-80** As above - coded (white-black)
- CC-81** As above - coded (red-black)



RECORDER CARETM
A DIVISION OF NORTRONICS[®]



Nortronics Company Inc., 8101 Tenth Avenue North, Minneapolis, Minnesota 55427 U.S.A. 612-545-0401 Telex 290304