Ⓡ :TO POWER SUPPLY/RF SECTION
Ⓢ :TO SYSTEM CONTROL & SERVO SECTION
Ⓥ :TO LUMINANCE & CHROMINANCE/AUDIO SECTION
Ⓣ :TO TIMER SECTION

VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

TO INPUT/OUTPUT PACK PS3901(H-1)
PP3901: GND (AV) 1, GND (AV) 2, GND (AV) 3

TO INPUT/OUTPUT PACK PS3902(G-1)
PP3902: RFC VIDEO OUT 1, GND (AV) 2, AV1 A IN (R) 3, AV2 A IN (R) 4, GND (AV) 5, AV1 A IN (L) 6, AV2 A IN (L) 7, GND (AV) 8, AV1 A OUT (L) 9, AV1 A OUT (R) 10, GND (AV) 11, AV2 A OUT (R) 12, AV2 A OUT (L) 13, AV1 PB 12V 14

TO INPUT/OUTPUT PACK PS3903(E-1)
PP3903: LANC 1, PS 5V 2, GND (SYS) 3, 5P CLOCK 4, 5P DATA 5, GND (SYS) 6

TO INPUT/OUTPUT PACK PS3904(D-1)
PP3904: AV3 C IN 1, PS 12V 2, AV3 VIDEO IN 3, 4, TUNER VIDEO IN 5, GND (AV) 6, OSD IIC DATA 7, OSD IIC CLOCK 8, GND (AV) 9, VV C OUT 10, GND (AV) 11, 12, PS 5V 13, Y/C C OUT 14, OSD PULSE 15, PROG Ⓗ 16

TO INPUT/OUTPUT PACK PS3905(C-1)
PP3905: Y/C Y OUT 1, GND (AV) 2, VIDEO/Y IN 3, GND (AV) 4, AV2/AV3 C IN 5, GND (AV) 6, PS 5V 7, GND (AV) 8, AV3 Y IN 9, GND (AV) 10, OSD VIDEO OUT 11, AV2 PB Ⓗ 12, PROJECT 50 13, S-VHS SW Ⓛ 14

TO FRONT PS4801(B-1)
PP3906: DNR SW 1, IR 2, N.SW 5V 3, AV3 A IN (R) 4, GND (AV) 5, EJECT SW 6, POWER SW 7, GND (AV) 8, AV3 VIDEO IN 9, GND (FIP) 10, AV3 A IN (L) 11, AV3 C IN 12, GND (AV) 13, AV3 Y IN 14, AV3 S-VHS IN Ⓛ 15, DNR LED 16
TW3901

Ⓢ MAIN IIC CLOCK (A3), Ⓢ MAIN IIC DATA (A2), Ⓥ FSC (A1), Ⓢ MUTE Ⓗ (A4)
Ⓢ AC RCH, Ⓢ AC LCH, Ⓢ RFC MUTE Ⓗ
Ⓡ PS 5V, Ⓡ N.SW 5V, Ⓡ PS 12V

QR4501 UN2113 (BUFFER) -1.4 (-0.6)
QR4503 XN0121600L (MUTE) -1.4 (-0.6)
QR4504 XN0121600L (MUTE) -1.4 (-0.6)
QR4502 UN2113 (BUFFER) -1.3 (-0.6)
QR4507 UN2216 (MUTE)

L4502 1.2u, L4503 0, L4501 1.2u
C4526 0.1, C4525 6V100, C4539 0.1, C4534 16V47
R4533 220, R4530 100K, R4531 220, R4532 100K, R4535 220, R4534 100K, C4544 100P
R4538 220, R4536 100K, C4545 100P, R4537 10K, R4543 220
C4530 16V10, C4531 16V10, C4532 16V10, C4533 16V10, C4535 16V10, C4536 16V22
R4540 22K, C4538 0.1, R3539 3600

IC4501 AN3656NFBPBV
SWITCH RCH, SWITCH LCH, NORMAL OUTPUT SWITCH, DET
OUTPUT SELECT SWITCH RCH, OUTPUT SELECT SWITCH LCH
INPUT SWITCH RCH, INPUT SWITCH LCH
IIC BUS INTERFACE
VCO-FO, VCC, GND(R), REC AGC ADJ., MUTE CONTROL, VREF, GND (L)
C4529 16V10, R4526 1K, R4525 1K, R4524 30K, R4523 1K, C4522 16V10, C4521 6V22
C4540 0.1, C4541 0.1, C4501 16V10, C4502 16V10, C4503 16V10
R4505 4700, R4502 56K, R4506 4700, R4501 56K, R4507 10K, R4504 22K, R4508 4700, R4514 56K, R4509 4700, R4516 56K, R4510 10K, R4503 22K, R4511 4700, R4513 56K, R4512 4700, R4515 56K

AGC & SWITCH, FM MODULATOR/ DEMODULATOR, LPF, BPF, AGC
PNR RCH, PNR LCH, PREAMP & SWITCH
R4522 510, C4524 0.047, C4523 10V33, R4521 4700
R4520 120K, C4520 0.015, C4519 0.22, C4517 0.1, C4514 0.01, C4511 0.01, C4509 0.033, C4508 0.015, C4507 16V22, C4506 16V10
REC AGC DET, ENV.DET OUT, REC DC2, VCC
R4519 820, TW4502, D4502 MA165, TL4503, TW4511, TW4501
R4518 4700, C4504 0.047, R4517 510, C4505 10V33, C4515 6V100, C4516 0.1

D.FM REC Ⓗ Ⓢ, ABS NORMAL Ⓗ Ⓢ, A.HEAD SW Ⓢ, GND (A) Ⓥ, AUDIO HEAD L Ⓥ, AUDIO HEAD R Ⓥ, AUDIO HEAD COM Ⓥ
RFC VIDEO OUT Ⓡ, AV1 PB 12V Ⓢ, LANC Ⓢ, 5P CLOCK Ⓢ, 5P DATA Ⓢ
TUNER VIDEO Ⓡ, OSD IIC DATA Ⓢ, OSD IIC CLOCK Ⓢ, VV C OUT Ⓥ
Y/C C OUT Ⓥ, OSD PULSE Ⓢ, PROG Ⓗ Ⓢ, Y/C Y OUT Ⓥ, VIDEO/Y IN Ⓥ, AV2/AV3 C IN Ⓥ, OSD VIDEO OUT Ⓢ, AV2 PB Ⓗ Ⓢ, PROJECT 50 Ⓢ, S-VHS SW Ⓛ Ⓢ, DNR SW Ⓣ, IR Ⓢ
EJECT SW Ⓣ, POWER SW Ⓣ
AV3 S-VHS IN Ⓛ Ⓢ, DNR LED Ⓢ, AUDIO IN (N) Ⓥ, RFC AUDIO OUT Ⓡ, AUDIO OUT (N) Ⓥ, TUNER AUDIO (R) Ⓡ, TUNER AUDIO (L) Ⓡ
GND Ⓡ, GND (SYS) Ⓡ, GND (LVM) Ⓡ, GND (HA2) Ⓡ

NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS( )ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.(SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.(SP MODE)

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NV-HS930EG/B/EC/EE
Hi-Fi AUDIO SECTION SCHEMATIC DIAGRAM

G F E D C B A
1 2 3 4 5 6 7 8 9 10 11