CAPSTAN MOTOR L0201

TL0201

IC0201 (CAPSTAN MOTOR DRIVE)

MOTOR DRIVE

DIFFERENTIAL AMPRIFIER

TORQUE CONTROL

TL AMP

EC AMP

POSITION SIGNAL PROCESS

TORQUE DIRECTION

H1

H2

H3

CONTROL LOGIC

LOADING MOTOR

P1501 1 / P2501 P0201 9

P1501 2 / P2501 P0201 8

INPUT		OUTPUT		MODE
PIN 15	PIN 16	PIN 19	PIN 21	
H	L	H	L	FORWARD
L	H	L	H	REWIND
H	H	L	L	BRAKE
L	L	OPEN	OPEN	STOP

R0206 CAPSTAN FG HEAD

CAP FG5V

P0201 P2501 4

TW2015

TW2002

TL2503

TL2502

P0201 P2501 1 — CURRENT LIMIT

P0201 P2501 2 — CAPSTAN ERROR TORQUE

P0201 P2501 3 — CAPSTAN REVERSE/ FORWARD

UNREG 14V

P0201 P2501 12 — LOADING (H)

P0201 P2501 11 — UNLOADING (H)

CAPSTAN FG IN

CAPSTAN FG OUT

CTL OUT

EX.FF/REW (L)

S1501 MODE SW

POSITION SW2

POSITION SW3

POSITION SW1

CYLINDER STATOR UNIT

P2901

6,7	VM	P2502-3,4
1	M2	P2502-9
9	M1	P2502-1
3	M3	P2502-7
5	GND	P2502-5
8	HE-	P2502-2
4	HE+	P2502-6
2	VH+	P2502-8

MAIN COIL 2

MAIN COIL 1

MAIN COIL 3

HALL IC

UNREG 14V

REG 5V

IC2501 (CYLINDER MOTOR DRIVE)

MOTOR DRIVE

PG/FG

DIFFERENTIAL AMPLIFIER

SCHMIT

TORQUE CONTROL

CYLINDER ERROR TORQUE

CYL PFG

N.SW 5V

TAKE-UP PHOTO

SUPPLY PHOTO

SAFETY TAB (L)

REG 5V

IC1501 (T-REEL SENSOR)

IC1502 (S-REEL SENSOR)

TL6013

TL6012

S-REEL PULSE

T-REEL PULSE

Q1501 TAKE UP PHOTO SENSOR

D1501 SENSOR LED

Q1502 SUPPLY PHOTO SENSOR

S7507 SAFETY TAB SW

CTL HEAD

P4003 5 / P4003 6

CTL HEAD(-)

CTL HEAD(+)

IC6001 (SYSTEM CONTROL/SERVO IC)

20MHz IN

20MHz OUT

32KHz IN

32KHz OUT

X6002

X6001

FIP (L)

BACK UP 5V

P.FAIL (L)

RESET (L)

S.DATA IN

S.DATA OUT

S.CLOCK

FIP CS

POWER SW

IC7504

RESET

N.SW 5V

IC7502

IR RECEIVER

IR

IC7503

RESET

DP7501

TIMER DISPLAY

F+ F+ F- F-

Q1002

BUFFER

FROM POWER

HEATER (+)

HEATER (-)

UNREG -29V

Q1006

QR1001

BACK UP C7507

IC7501

SEG1

SEG17

SEG18

GRID1

GRID7

VEE

SERIAL DATA

SERIAL CLOCK

CS

A2

A5

A4

POWER S7506

INTELLIGENT TIMER S7517

EJECT S7505

EXT LINK S7516

FF S7514

T.REC S7513

STOP S7515

REC S7501

CH DOWN S7502

REW S7512

PLAY S7511

PAUSE S7503

CH UP S7504

N.SW 5V

NV-FJ632EE

SYSTEM CONTROL & SERVO BLOCK DIAGRAM