

TOSHIBA

FILE NO. 023-200306

SERVICE MANUAL

COLOR TELEVISION

N3NS Chassis

36AF43, 36AF53

(TAC0315)

(TAC0316)

– SUMMARY –

36AF43, 36AF53 are the same as 32AF43 except for the parts tabled on back of this sheet.
Use this service manual together with the service manual of 32AF43, 32AF53 (File No. 020-200304).

REPLACEMENT PARTS LIST DIFFERENCES

Location No.	Part No.	Description
A201	23530814	Front Cover (36AF43)
A201	23530813	Front Cover (36AF53)
A213	23428191	Door (36AF43)
A213	23428190	Door (36AF53)
A223	23445611	Button, Power (36AF43)
A223	23445727	Button, Power (36AF53)
A224	23445610	Button, Control (36AF43)
A411	23540212	Back Cover
A701	23064769	Carton Box (36AF43)
A701	23064768	Carton Box (36AF53)
A703	23946353	Packing, Top
A708	23946354	Packing, Bottom
C674	24073079	EL, 0.33 μ F, \pm 20%, 50V (36AF53)
C675	24073079	EL, 0.33 μ F, \pm 20%, 50V (36AF53)
CD41	24109332	Chip, 3300pF, \pm 10% (36AF53)
CD42	24109333	Chip, 0.033 μ F, \pm 10%, 25V (36AF53)
CD43	24797479	EL, 4.7 μ F, \pm 20%, 50V (36AF53)
CD44	24797479	EL, 4.7 μ F, \pm 20%, 50V (36AF53)
CD45	24109182	Chip, 1800pF, \pm 10% (36AF53)
CD46	24092753	Chip, 0.022 μ F, \pm 10%, 10V (36AF53)
CD47	24109103	Chip, 0.01 μ F, \pm 10% (36AF53)
CD48	24794100	EL, 10 μ F, \pm 20%, 16V (36AF53)
CD49	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CD50	24797479	EL, 4.7 μ F, \pm 20%, 50V (36AF53)
CD51	24797479	EL, 4.7 μ F, \pm 20%, 50V (36AF53)
CD52	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CD53	24794221	EL, 220 μ F, \pm 20%, 16V (36AF53)
CD54	24797479	EL, 4.7 μ F, \pm 20%, 50V (36AF53)
CD55	24797479	EL, 4.7 μ F, \pm 20%, 50V (36AF53)
CD56	24797479	EL, 4.7 μ F, \pm 20%, 50V (36AF53)
CD57	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CD58	24109103	Chip, 0.01 μ F, \pm 10% (36AF53)
CD59	24092753	Chip, 0.022 μ F, \pm 10%, 10V (36AF53)
CD60	24109182	Chip, 1800pF, \pm 10% (36AF53)
CD61	24797479	EL, 4.7 μ F, \pm 20%, 50V (36AF53)
CD62	24797479	EL, 4.7 μ F, \pm 20%, 50V (36AF53)
CD63	24109333	Chip, 0.033 μ F, \pm 10%, 25V (36AF53)
CD64	24109332	Chip, 3300pF, \pm 10% (36AF53)
CD86	24797100	EL, 10 μ F, \pm 20%, 50V (36AF53)
CD88	24797100	EL, 10 μ F, \pm 20%, 50V (36AF53)
CD89	24797100	EL, 10 μ F, \pm 20%, 50V (36AF53)
CD90	24797100	EL, 10 μ F, \pm 20%, 50V (36AF53)
CD91	24797100	EL, 10 μ F, \pm 20%, 50V (36AF53)
CZ020	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ030	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ040	24105181	Chip, 180pF (36AF53)
CZ050	24105680	Chip, 68pF (36AF53)
CZ060	24105330	Chip, 33pF (36AF53)
CZ070	24794101	EL, 100 μ F, \pm 20%, 16V (36AF53)
CZ080	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ090	24109103	Chip, 0.01 μ F, \pm 10% (36AF53)
CZ100	24794101	EL, 100 μ F, \pm 20%, 16V (36AF53)

Location No.	Part No.	Description
CZ110	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ120	24105101	Chip, 100pF (36AF53)
CZ130	24105101	Chip, 100pF (36AF53)
CZ140	24105151	Chip, 150pF (36AF53)
CZ250	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ350	24792101	EL, 100 μ F, \pm 20%, 6.3V (36AF53)
CZ360	24792101	EL, 100 μ F, \pm 20%, 6.3V (36AF53)
CZ370	24792101	EL, 100 μ F, \pm 20%, 6.3V (36AF53)
CZ380	24792101	EL, 100 μ F, \pm 20%, 6.3V (36AF53)
CZ390	24792101	EL, 100 μ F, \pm 20%, 6.3V (36AF53)
CZ400	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ410	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ420	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ430	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ440	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ450	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ460	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ470	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ480	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ490	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ500	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ510	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ520	24794100	EL, 10 μ F, \pm 20%, 16V (36AF53)
CZ530	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ540	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ570	24105181	Chip, 180pF (36AF53)
CZ580	24105560	Chip, 56pF (36AF53)
CZ600	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ610	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ620	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ630	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ640	24105101	Chip, 100pF (36AF53)
CZ650	24092573	Chip, 0.47 μ F, \pm 10%, 16V (36AF53)
CZ660	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ670	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ680	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ690	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ700	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ710	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ720	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ730	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)

Location No.	Part No.	Description
CZ740	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ750	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ760	24092573	Chip, 0.47 μ F, \pm 10%, 16V (36AF53)
CZ770	24092730	Chip, 0.1 μ F, \pm 10%, 16V (36AF53)
CZ830	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ840	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ960	24105270	Chip, 27pF (36AF53)
CZ970	24794101	EL, 100 μ F, \pm 20%, 16V (36AF53)
CZ980	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
CZ990	24100104	Chip, 0.1 μ F, +80%, -20%, 25V (36AF53)
D883	23118338	Diode, RU4AM LF-K2 (36AF53)
GJ13	24000445	Chip Jumper, 1680 Type (36AF53)
GRD91	24000445	Chip Jumper, 1680 Type (36AF53)
△K912	23306496	Remote Hand Unit, CT-90158 (36AF53)
△L901	23200560	Coil, Degaussing, TSB-2407AH
LZ020	23238714	Coil, Peaking, TRF4100A (36AF53)
LZ030	23103145	Coil (Ferrite Bead), TEM2011AA (36AF53)
LZ050	23246399	Chip, Inductor, TRF4220CV (36AF53)
LZ090	23246399	Chip, Inductor, TRF4220CV (36AF53)
LZ200	23246316	Chip, Inductor, TRF44R7CR (36AF53)
LZ210	23246317	Chip, Inductor, TRF4100CR (36AF53)
LZ220	23246401	Chip, Inductor, TRF42R2CW (36AF53)
LZ230	23103906	Chip (Ferrite Bead), TEM2118AS (36AF53)
LZ240	23103906	Chip (Ferrite Bead), TEM2118AS (36AF53)
LZ250	23103906	Chip (Ferrite Bead), TEM2118AS (36AF53)
LZ260	23103145	Coil (Ferrite Bead), TEM2011AA (36AF53)
LZ280	23103145	Coil (Ferrite Bead), TEM2011AA (36AF53)
LZ320	23103906	Chip (Ferrite Bead), TEM2118AS (36AF53)
LZ330	23103906	Chip (Ferrite Bead), TEM2118AS (36AF53)
LZ350	23103906	Chip (Ferrite Bead), TEM2118AS (36AF53)
LZ360	23103906	Chip (Ferrite Bead), TEM2118AS (36AF53)
LZ370	23103906	Chip (Ferrite Bead), TEM2118AS (36AF53)
LZ380	23103906	Chip (Ferrite Bead), TEM2118AS (36AF53)
LZ390	23103906	Chip (Ferrite Bead), TEM2118AS (36AF53)
LZ810	23103906	Chip (Ferrite Bead), TEM2118AS (36AF53)
LZ960	23246206	Chip, Inductor, TRF48R2CR (36AF53)

Location No.	Part No.	Description
QD41	23009377	IC, NJW1137M(TE1) (36AF53)
OZ010	23000811	IC, TC90A65F(BH) (36AF53)
OZ030	23009241	IC, R1121N261B-TR (36AF53)
OZ040	23314163	Transistor, 2SA1162-Y (36AF53)
OZ050	23314163	Transistor, 2SA1162-Y (36AF53)
OZ060	23314475	Transistor, 2SC2712-Y (36AF53)
OZ140	23314163	Transistor, 2SA1162-Y (36AF53)
OZ200	23314475	Transistor, 2SC2712-Y (36AF53)
OZ210	23314475	Transistor, 2SC2712-Y (36AF53)
OZ220	23314475	Transistor, 2SC2712-Y (36AF53)
OZ230	23314163	Transistor, 2SA1162-Y (36AF53)
OZ240	23314475	Transistor, 2SC2712-Y (36AF53)
OZ250	23314163	Transistor, 2SA1162-Y (36AF53)
OZ260	23906770	IC, BA033FP (36AF53)
R27	24366332	CF, 3300 ohm (36AF53)
R810	24569828	Cement, 0.82 ohm, \pm 10%, 10W (36AF53)
RD41	24011104	Chip, 100k ohm, 1/20W (36AF53)
RD42	24011101	Chip, 100 ohm, 1/20W (36AF53)
RD43	24366101	CF, 100 ohm (36AF53)
RD45	24366221	CF, 220 ohm (36AF53)
RD48	24011101	Chip, 100 ohm, 1/20W (36AF53)
RD49	24011104	Chip, 100k ohm, 1/20W (36AF53)
RD79	24011105	Chip, 1M ohm, 1/20W (36AF53)
RD80	24011472	Chip, 4700 ohm, 1/20W (36AF53)
RD81	24011105	Chip, 1M ohm, 1/20W (36AF53)
RD82	24011472	Chip, 4700 ohm, 1/20W (36AF53)
RG19	24011105	Chip, 1M ohm, 1/20W (36AF53)
RG24	24011105	Chip, 1M ohm, 1/20W (36AF53)
RG71	24011393	Chip, 39k ohm, 1/20W (36AF53)
RJ06	24366124	CF, 120k ohm
RJ08	24366124	CF, 120k ohm
RJ30	24000445	Chip Jumper, 1680 Type (36AF53)
RS109	24011433	Chip, 43k ohm, 1/20W (36AF53)
RS113	24011433	Chip, 43k ohm, 1/20W (36AF53)
RZ010	24366330	CF, 33 ohm (36AF53)
RZ020	24011152	Chip, 1500 ohm, 1/20W (36AF53)
RZ030	24011682	Chip, 6800 ohm, 1/20W (36AF53)
RZ040	24011562	Chip, 5600 ohm, 1/20W (36AF53)
RZ050	24011102	Chip, 1k ohm, 1/20W (36AF53)
RZ060	24011681	Chip, 680 ohm, 1/20W (36AF53)
RZ070	24871331	Chip, 330 ohm, 1/8W (36AF53)
RZ080	24011151	Chip, 150 ohm, 1/20W (36AF53)
RZ090	24366330	CF, 33 ohm (36AF53)
RZ100	24011102	Chip, 1k ohm, 1/20W (36AF53)
RZ110	24011102	Chip, 1k ohm, 1/20W (36AF53)
RZ120	24011182	Chip, 1800 ohm, 1/20W (36AF53)
RZ130	24011392	Chip, 3900 ohm, 1/20W (36AF53)
RZ140	24011123	Chip, 12k ohm, 1/20W (36AF53)
RZ150	24011151	Chip, 150 ohm, 1/20W (36AF53)
RZ160	24011222	Chip, 2200 ohm, 1/20W (36AF53)
RZ170	24871181	Chip, 180 ohm, 1/8W (36AF53)
RZ180	24011121	Chip, 120 ohm, 1/20W (36AF53)
RZ210	24011271	Chip, 270 ohm, 1/20W (36AF53)

Location No.	Part No.	Description
RZ243	24011220	Chip, 22 ohm, 1/20W (36AF53)
RZ244	24011152	Chip, 1500 ohm, 1/20W (36AF53)
RZ245	24011220	Chip, 22 ohm, 1/20W (36AF53)
RZ246	24011152	Chip, 1500 ohm, 1/20W (36AF53)
RZ265	24011392	Chip, 3900 ohm, 1/20W (36AF53)
RZ266	24011103	Chip, 10k ohm, 1/20W (36AF53)
RZ280	24011102	Chip, 1k ohm, 1/20W (36AF53)
RZ330	24011101	Chip, 100 ohm, 1/20W (36AF53)
RZ340	24011101	Chip, 100 ohm, 1/20W (36AF53)
RZ370	24000445	Chip Jumper, 1680 Type (36AF53)
RZ380	24011103	Chip, 10k ohm, 1/20W (36AF53)
RZ400	24000445	Chip Jumper, 1680 Type (36AF53)
RZ410	24011562	Chip, 5600 ohm, 1/20W (36AF53)
RZ420	24011472	Chip, 4700 ohm, 1/20W (36AF53)

Location No.	Part No.	Description
RZ430	24000445	Chip Jumper, 1680 Type (36AF53)
RZ490	24011102	Chip, 1k ohm, 1/20W (36AF53)
RZ600	24011102	Chip, 1k ohm, 1/20W (36AF53)
RZ710	24011101	Chip, 100 ohm, 1/20W (36AF53)
RZ800	24000445	Chip Jumper, 1680 Type (36AF53)
RZ810	24000445	Chip Jumper, 1680 Type (36AF53)
RZ820	24011101	Chip, 100 ohm, 1/20W (36AF53)
RZ830	24011102	Chip, 1k ohm, 1/20W (36AF53)
* U801	23788587	POWER/DEF Board, PD1019F (36AF43)
* U801	23788310	POWER/DEF Board, PD1019D (36AF53)
* U902	23788302	SIGNAL Board, PD1208B (36AF53)
△ V901	23324027	Picture Tube, A90AJZ90X07
△ Y101	23565903	Owner's Manual, English/ French, 36AF53

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