

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
------------------	-------------------	-------------

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
------------------	-------------------	-------------

PARTS LIST

TLN4728A Xmtr. Chassis & Heat Sink
(part of TLD1680A Series)

PL-1717-O

C553, 554	21-84211B01	<u>CAPACITOR, fixed;</u> .01 uF +100-0%; 250 V
C555	23-83210A08	100 uF +150-10%; 25 V
C567	21-84211B01	.01 uF +100-0%; 250 V
C568	21-82880E19	500 pF ±10%; 500 V
C569	21-84211B01	.01 uF +100-0%; 250 V
Q501	48-869622	<u>TRANSISTOR: (SEE NOTE)</u> P-N-P; type M9622
Q502	48-869623	P-N-P; type M9623
Q503, 504	48-869624	P-N-P; type M9624
Q505 thru 508	48-869625	P-N-P; type M9625
Q509	48-869576	N-P-N; type M9576
Z503 thru 508	51-84982B01	<u>RESISTANCE-CAPACITANCE NETWORK;</u> thick-film type

TLN4741A PA Hardware Kit
(part of TLD1690A Series)

PL-1718-O

Q501	48-869622	<u>TRANSISTOR: P-N-P;</u> (SEE NOTE) type M9622
Q502	48-869623	type M9623
Q503, 504	48-869624	type M9624
Q505 thru 508	48-869625	type M9625
Z503 thru 508	51-84982B01	<u>RESISTANCE-CAPACITANCE NETWORK;</u> thick-film type

TLN4780A PA Heat Sink Kit
(part of TLD1690A Series)

PL-1719-O

C563, 564	21-84211B02	<u>CAPACITOR, fixed;</u> .01 uF +100-0%; 250 V
-----------	-------------	---

Exciter Output Filter

PL-1721-O

Z501L	TFD6111A	<u>FILTER, RF: bandpass;</u> 132-150.8 MHz
Z501M, 501H	TFD6112A	150.8-174 MHz

TLN4822A Cable & Bracket Kit
(part of TLD1690A Series)

PL-1720-O

C560, 561, 562	21-410115	<u>CAPACITOR, fixed;</u> 220 pF ±20%;
C565, 566	21-84463D01	.001 uF ±20%; 500 V
Q509	48-869627	<u>TRANSISTOR: (SEE NOTE)</u> N-P-N; type M9627

PA Output (Harmonic) Filter

PL-1722-O

Z502L	TFD6101A	<u>FILTER, RF: low pass;</u> 132-150.8 MHz
Z502M, 502H	TFD6102A	150.8-174 MHz

POWER AMPLIFIER (INTERMITTENT DUTY)

TLD1682A (132-150.8 MHz)
TLD1683A (150.8-162 MHz)
TLD1684A (162-174 MHz)

POWER AMPLIFIER (CONTINUOUS DUTY)

TLD1692A (132-150.8 MHz)
TLD1693A (150.8-162 MHz)
TLD1694A (162-174 MHz)

LEGEND:

L = 132-150.8 MHz
M = 150.8-162 MHz
H = 162-174 MHz

TLD8302A PA Board (132-150.8 MHz)
TLD8633A PA Board (150.8-162 MHz)
TLD8634A PA Board (162-174 MHz)

PL-1716-O

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
C501L	20-83201B09	<u>CAPACITOR, fixed; pF; ±5%;</u> 500 V; unl. stated
C502M, 502H	20-83201B07	variable: 4-40
C502L	19-83491E08	variable: 1.5-18
C502M, 502H	19-83491E07	variable: 2.4-27 (voltage not stated)
C503	21-83406D52	variable: 2-19.3 (voltage not stated)
C504	21-84494B04	2
C505L	21-84494B02	100
C505M	21-84494B25	62
C505H	21-84494B02	49
C506L	21-84494B02	62
C506M	21-84494B01	62
C506H	21-84494B30	51
C507	21-82428B59	34
C508L	21-84494B51	.01 uF +80-20%; 200 V
C508M, 508H	21-84494B26	160
C509L	21-84494B38	130
C509M, 509H	21-84494B29	15
C510L	21-84494B09	10
C510M, 510H	21-84494B27	175
C511L	21-84494B02	140
C511M	21-84494B01	62
C511H	21-84494B24	51
C513L	21-84494B51	39
C513M, 513H	21-84494B26	160
C514	8-82905G04	130
C515L, 515M		.068 uF ±10%; 50 V
C515H	23-83214C17	NOT USED
C516	23-83214C10	3.3 uF ±20%; 15 V
C517	21-83596E10	47 uF ±20%; 6 V
C518L	21-84494B25	220
C518M	21-84494B33	49
C518H	21-84494B24	30
C519	21-84494B25	39
C520L	21-84494B30	49
C520M	21-84936A03	30
C520H	21-84936A05	20 ±1 pF; 2000 V
C521L	21-84494B02	12; 2000 V; P120
C521M, 521H	21-84494B28	62
C522L	21-84494B45	43
C522M	21-84494B24	56
C522H	21-84494B01	39
C523L	21-84395B03	51
C523M	21-84494B04	80
C523H	21-84395B04	100
C524L		120
C524M, 524H	21-82428B59	NOT USED
C525	21-84494B04	.01 uF +80-20%; 200 V
C526L		100
C526M, 526H	21-82428B59	NOT USED
C527L	21-84494B28	.01 uF +80-20%; 200 V
C527M, 527H	21-84494B43	43
C528L	21-84494B31	36
C528M	21-84395B03	75
C528H	21-84494B31	80
C529L	21-84494B35	75
C529M, 529H	21-84494B01	60
C530	21-83596E10	51
C531L	21-84494B28	220
C531M, 531H	21-84494B43	43
C532L	21-84494B31	36
		75

Parts List
Motorola No. PEPS-8591-O
3/17/72-UP

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
------------------	-------------------	-------------

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
------------------	-------------------	-------------

C532M	21-84395B03	80
C532H	21-84494B31	75
C533L	21-84494B02	62
C533M	21-84494B35	60
C533H	21-84494B34	68
C534, 535	21-83596E10	220
C536L	21-83596E10	220
C536M	21-84494B26	130
C536H		NOT USED
C537L	21-84494B26	130
C537M	21-84395B02	100
C537H	21-84395B06	150
C538L	21-84494B26	130
C538M	21-84395B06	150
C538H	21-84395B04	120
C541L	21-84494B12	220
C541M, 541H	21-84494B26	130
C542L	21-84494B26	130
C542M	21-84395B06	150
C542H	21-84395B02	100
C543L	21-84395B04	120
C543M	21-84494B26	130
C543H	21-84395B02	100
C548, 547	21-84426B36	1200
C548L	21-84494B51	160
C548M, 548H	21-84494B26	130
C549, 550	8-82905G04	.068 uF ±10%; 50 V
C551L	21-84494B51	160
C551M, 551H	21-84494B26	130
C552	23-83214C02	15 uF ±20%; 25 V
C555	23-83210A08	100 uF +150-10%; 25 V
C556L, 556M	21-84494B33	30
C556H		NOT USED
		<u>SEMICONDUCTOR DEVICE,</u>
		diode: (SEE NOTE)
CR501	48-82139G01	germanium
CR502	48-82525G01	silicon
		<u>CONNECTOR, receptacle:</u>
		female;
T501L, 502	28-84227B01	coaxial; miniature type
J503	9-84207B01	7-contact
		<u>COIL, RF:</u>
L501	24-83961B01	choke; 3 turns; coded BRN
L502L, 502M	24-84392B03	choke; 6 turns
L502H	24-84392B01	choke; 4 turns
L503L, 503M	7-84400B03	inductor "bracket"
L503H	7-84400B01	inductor "bracket"
L504L, 504M	24-83961B03	choke; 1 turn; coded WHT
L504H	24-83961B01	choke; 3 turns; coded BRN
L505	24-84392B02	choke; 4 turns
L506	24-82723H20	choke; 0.29 uH
L507, 508	24-84393B02	choke; 4-1/2 turns
L509, 510	24-82723H04	choke; 0.29 uH
L511, 512	24-84393B02	choke; 4-1/2 turns
		<u>RESISTOR, fixed:</u>
		unl. stated
R501L, 501M	6-129146	150k
R501H	6-129226	100k
R502L, 502M	6-129755	10
R502H	6-129233	47
R503	6-124B55	2.7 ±5%
R504	6-127803	1.5k
R505	6-127804	4.7k
R506	6-136192	1 ±5%; 1/2 W
R507	6-127804	4.7k
R508	6-136192	1 ±5%; 1/2 W
R509	6-84232B01	(meter shunt)
R510	6-127802	1k
		<u>TRANSFORMER, RF:</u>
T501	25-84396B01	pri: 5 turns
		sec: 4 windings, 1 turn each
T502	25-84397B01	pri: 2 windings, 1-3/4 turns each
		sec: 2 windings, 1-3/4 turns each

T503L	24-84302C01	pri: 2 windings, 2-3/4 turns each
		sec: 2 windings, 2-3/4 turns each
		NOTE: ("Left hand" windings)
T503M, 503H	24-84464D01	pri: 3-3/4 turns
		sec: 3-3/4 turns
T504L	24-84302C02	pri: 2 windings, 2-3/4 turns each
		sec: 2 windings, 2-3/4 turns each
		NOTE: ("Right hand" windings)
T504M, 504H	24-84464D01	pri: 3-3/4 turns
		sec: 3-3/4 turns
T505L, 505M	25-84812B01	pri: 3 windings, 1-1/2 turns each
		sec: 6 turns
T505H	25-84398B01	pri: 3 windings, 1-1/2 turns each
		sec: 5 turns
T506L, 506M	25-84812B01	pri: 3 windings, 1-1/2 turns each
		sec: 6 turns
T506H	25-84398B01	pri: 3 windings, 1-1/2 turns each
		sec: 5 turns

NOTE:

Replacement diodes and transistors must be ordered only by Motorola part number for optimum performance.