

A black and white photograph of a hand holding a small electronic component, a transistor, against a dark background. The hand is positioned at the top of the frame, with the fingers gripping the component. The transistor has a small circular base with a logo and three thin leads extending downwards.

AWV TRANSISTOR

PUBLICATION NO T13

A color photograph of a hand holding a transistor, similar to the one in the top image. The hand is colored red, and the background is dark. The transistor is held between the thumb and index finger, with its three leads pointing downwards.

INTERCHANGEABILITY

AMALGAMATED WIRELESS VALVE CO. PTY. LTD.

TRANSISTOR INTERCHANGEABILITY GUIDE

This listing is to be used as a guide only. Types shown as replacements are not necessarily electrically and physically identical with the type to be replaced except where marked with an asterisk (*). For more complete information on transistor interchangeability, consult published data on the relevant types.

KEY TO SYMBOLS

- * Denotes direct interchangeability.
- † Denotes discontinued type.
- ‡ 2N247 and 2N274 are identical except for case size and interlead capacitances.
- This indicates that the replacement transistor shown is a flying lead type, and must be soldered into the circuit. This can be done in many cases by passing the leads through the appropriate socket holes, and soldering the connections on the underside.

Type	Replacement	Type	Replacement	Type	Replacement
2N34†	2N408•	2N61	2N270	2N113	2N218•
2N34A†	2N408•	2N62	2N217•	2N114	2N219•
2N35†	2N647	2N63	2N217	2N115	2N270
2N36	2N217	2N64	2N217	2N116	2N220•
2N37	2N408	2N65	2N217	2N123	2N269
2N38	2N408	2N76	2N217•	2N125	2N585
2N38A	2N408	2N77†	2N105*	2N126	2N585
2N39	2N217	2N79†	2N331	2N128	2N247‡
2N40	2N217	2N85	2N217•	2N129	2N1634
2N41†	2N105	2N86	2N217•	2N130	2N105
2N42	2N217	2N87	2N217•	2N130A	2N105
2N43	2N217•	2N88	2N105	2N131A	2N105
2N43A	2N331	2N89	2N105	2N132	2N105
2N44	2N217•	2N90	2N105	2N132A	2N105
2N44A	2N217•	2N94	2N585	2N133	2N220•
2N45	2N217•	2N96†	2N331	2N133A	2N220•
2N46†	2N105	2N104	2N217•	2N135	2N218•
2N47	2N105	2N105	2N105*	2N136	2N218•
2N48	2N105	2N106	2N217•	2N137	2N219•
2N49	2N105	2N107	2N406	2N138	2N406
2N54	2N217•	2N109	2N217•	2N138A	2N406
2N55	2N217•	2N111	2N218	2N138B	2N270
2N56	2N217•	2N111A	2N218	2N139	2N218•
2N59	2N270	2N112	2N218	2N140	2N219•
2N60	2N270	2N112A	2N218	2N155	2N301*

Type	Replacement	Type	Replacement	Type	Replacement
2N156	2N301	2N238	2N217	2N323	2N270
2N157	2N561	2N240	2N582	2N324	2N408●
2N167	2N1090	2N241	2N217	2N325	2N301
2N173	2N301	2N241A	2N270	2N326	2N301
2N175	2N220●	2N242	2N301A*	2N331	2N331*
2N176	2N301	2N247	2N247*‡	2N344	2N274‡
2N180	2N217	2N248	2N247‡	2N345	2N274‡
2N181	2N270	2N249	2N270	2N346	2N384
2N185	2N270	2N250	2N301*	2N350	2N301
2N186	2N217	2N251	2N301A*	2N351	2N301
2N186A	2N270	2N252	2N1636	2N351A	2N301
2N187	2N217●	2N255	2N301*	2N352	2N301*
2N187A	2N270	2N256	2N301*	2N353	2N301*
2N188	2N217●	2N257	2N301*	2N356†	2N585
2N188A	2N270	2N265	2N408	2N357†	2N1090
2N189	2N408	2N267†	2N247‡	2N358†	2N1091
2N190	2N408	2N268	2N301A	2N362	2N217
2N191	2N270	2N269	2N269*	2N363	2N217S
2N192	2N270	2N270	2N270*	2N367	2N406
2N195	2N217	2N271	2N269	2N368	2N217
2N196	2N217	2N271A	2N269	2N369	2N217
2N197	2N217	2N272	2N217●	2N370	2N370*
2N198	2N217	2N273	2N217●	2N371	2N371*
2N199	2N217●	2N274	2N274*‡	2N372	2N372*
2N200	2N331	2N279	2N217	2N373	2N1634
2N204	2N331	2N280	2N217	2N374	2N1636
2N205	2N331	2N281	2N217	2N375	2N561
2N206†	2N331*	2N283	2N217	2N376	2N301
2N207	2N105	2N285	2N301	2N376A	2N301
2N207A	2N105	2N285A	2N301	2N377	2N1090
2N207B	2N105	2N296	2N301A	2N378	2N561
2N215	2N217	2N297A	2N457	2N379	2N561
2N217	2N217*	2N301A	2N301*	2N380	2N561
2N218	2N218*	2N301	2N301A*	2N381	2N270
2N219	2N219*	2N302	2N269	2N382	2N270
2N220	2N220*	2N303	2N269	2N383	2N270
2N223	2N270	2N307	2N301*	2N384	2N384*
2N224	2N270	2N307A	2N301*	2N385	2N1090
2N226	2N270	2N308	2N1634	2N386	2N301A
2N231	2N218	2N309	2N1634	2N388	2N1090
2N232	2N218	2N310	2N1634	2N394	2N269
2N234	2N301*	2N311	2N269	2N395	2N581
2N234A	2N301*	2N312	2N585	2N396	2N269
2N235	2N301*	2N315	2N578	2N397	2N582
2N235A	2N301*	2N316	2N579	2N398	2N398*
2N235B	2N301A	2N317	2N582	2N399	2N456
2N236A	2N301	2N319	2N270	2N400	2N456
2N236B	2N301A	2N320	2N270	2N401	2N456
2N236A	2N301	2N321	2N270	2N402	2N406
2N237	2N220	2N322	2N406	2N403	2N217

Type	Replacement	Type	Replacement	Type	Replacement
2N404	2N269	2N511A	2N457	2N629	2N561
2N405	2N406●	2N511B	2N561	2N631	2N408
2N406	2N406*	2N518	2N269	2N632	2N408
2N407	2N408●	2N519	2N578	2N633	2N408
2N408	2N408*	2N520	2N578	2N635	2N1091
2N409	2N410●	2N521	2N579	2N636	2N1091
2N410	2N410*	2N522	2N580	2N637	2N561
2N411	2N412●	2N523	2N643	2N637A	2N561
2N412	2N412*	2N524	2N586	2N637B	2N561
2N413	2N218	2N525	2N586	2N638	2N561
2N413A	2N218	2N526	2N586	2N638A	2N561
2N414	2N218	2N527	2N586	2N638B	2N561
2N414A	2N218	2N536	2N578	2N639	2N561
2N415	2N1636	2N544	2N1632	2N639A	2N561
2N415A	2N1636	2N554	2N301*	2N639B	2N561
2N416	2N247‡	2N559	2N645	2N640	2N1637
2N417	2N247‡	2N561	2N561*	2N641	2N1638
2N418	2N301	2N576	2N585	2N642	2N1639
2N419	2N561	2N576A	2N585	2N643	2N643*
2N420	2N561	2N578	2N578*	2N644	2N644*
2N421	2N561	2N579	2N579*	2N645	2N645*
2N422	2N215	2N580	2N580*	2N647	2N647*
2N425	2N1319	2N581	2N581*	2N649	2N649*
2N426	2N1319	2N582	2N582*	2N659	2N578
2N427	2N579	2N583	2N583*	2N660	2N643
2N428	2N580	2N584	2N584*	2N661	2N643
2N438A	2N585	2N585	2N585*	2N662	2N579
2N439A	2N1090	2N586	2N586*	2N705	2N1300
2N440A	2N1090	2N591	2N591*	2N1010	2N1010*
2N444	2N585	2N597	2N578	2N1016A	2N1487
2N445	2N585	2N598	2N579	2N1016B	2N1488
2N446	2N1090	2N599	2N580	2N1017	2N582
2N447	2N1091	2N602	2N643	2N1021	2N1014
2N456	2N456*	2N603	2N644	2N1022	2N1014
2N457	2N457*	2N604	2N645	2N1023	2N1023*
2N458	2N561	2N605	2N384	2N1031	2N561
2N460	2N331	2N606	2N384	2N1031A	2N561
2N461	2N331	2N607	2N384	2N1038	2N1183
2N464	2N217S	2N608	2N384	2N1039	2N1183A
2N465	2N217S	2N609	2N217	2N1040	2N1183B
2N466	2N217S	2N610	2N217	2N1041	2N1183C
2N481	2N1632	2N611	2N217	2N1043	2N561
2N482	2N1634	2N612	2N217	2N1044	2N561
2N483	2N1634	2N613	2N270	2N1058	2N412
2N484	2N1634	2N614	2N1634	2N1059	2N270
2N485	2N1636	2N615	2N1634	2N1066	2N1066*
2N486	2N1636	2N617	2N1636	2N1067●	2N1483
2N499	2N371	2N618	2N561	2N1068	2N1483
2N504	2N1634	2N623	2N645	2N1069	2N1487
2N511	2N456	2N628	2N561	2N1070	2N1489

Type	Replacement	Type	Replacement	Type	Replacement
2N1090	2N1090*	2N1490	2N1490*	2SD77	2N647
2N1091	2N1091*	2S30	2N412	2T64	2N647
2N1092	2N1092*	2S31	2N410	2T65	2N647
2N1097	2N217●	2S32	2N406	2T66	2N647
2N1098	2N217●	2S33	2N408	2T76	2N218
2N1101	2N647	2S34	2N270	8D	2N218
2N1102	2N647	2S35	2N218	8E	2N218
2N1144	2N217●	2S36	2N218	8F	2N218
2N1145	2N217●	2S37	2N217	10A	2N270
2N1172	2N301A	2S38	2N270	10B	2N270
2N1177	2N1177*	2S39	2N220	10C	2N270
2N1178	2N1178*	2S40	2N269	206	2N105
2N1179	2N1179*	2S41	2N301	300	2N217
2N1180	2N1180*	2S42	2N301	301	2N217
2N1183	2N1183*	2S43	2N1632	302	2N217
2N1183A	2N1183A*	2S44	2N217	310	2N217
2N1183B	2N1183B*	2S45	2N410	350	2N217
2N1184	2N1184*	2S52	2N412	352	2N217
2N1184A	2N1184A*	2S56	2N270	353	2N217
2N1184B	2N1184B*	2S91	2N270	830	2N219●
2N1193	2N270	2S109	2N1632	1032	2N217●
2N1202	2N561	2S110	2N1636	1033	2N217●
2N1224	2N1224*	2S112	2N372	1034	2N217●
2N1225	2N384	2S141	2N370	1035	2N217●
2N1226	2N1226*	2S142	2N1636	1036	2N217●
2N1264	2N370	2S143	2N1634	1320	2N217●
2N1265	2N408	2S144	2N1636	1330	2N217●
2N1291	2N301	2S145	2N1632	1340	2N217●
2N1293	2N301A	2SA12	2N218	1350	2N217●
2N1295	2N561	2SA13	2N410	1360	2N217●
2N1300	2N1300*	2SA15	2N219	1390	2N218●
2N1301	2N1301*	2SA16	2N412	1400	2N218●
2N1395	2N1395*	2SA80	2N1632	1410	2N218●
2N1396	2N1396*	2SA81	2N1632	A2	2N274‡
2N1397	2N1397*	2SA82	2N1634	AO1	2N218
2N1425	2N1425*	2SA83	2N1634	AR10	2N301
2N1426	2N1426*	2SA84	2N1636	AT874	2N591
2N1431	2N270	2SB68	2N398	AT1138	2N301
2N1432	2N274	2SB73	2N220	AT1833	2N301
2N1479	2N1479*	2SB75	2N215	AT1834	2N301
2N1480	2N1480*	2SB76	2N406	CK13	2N247‡
2N1481	2N1481*	2SB77	2N217	CK14	2N247‡
2N1482	2N1482*	2SB78	2N408	CK17	2N247‡
2N1483	2N1483*	2SB83	2N301	CK721	2N217●
2N1484	2N1484*	2SB84	2N301A	CK722	2N217●
2N1485	2N1485*	2SB89	2N270	CK725	2N217●
2N1486	2N1486*	2SC89	2N585	CK727	2N217●
2N1487	2N1487*	2SC90	2N1090	CK751	2N217●
2N1488	2N1488*	2SC91	2N1091	CK759	2N218●
2N1489	2N1489*	2SD75	2N1010	CK760	2N218●

Type	Replacement	Type	Replacement	Type	Replacement
CK761	2N218•	J2	2N217•	SFT239	2N457
CK762	2N219•	J3	2N217•	SFT240	2N561
CK766	2N219•	JP1	2N217•	SFT250	2N561
CK766A	2N219•	L5108	2N247‡	SFT265	2N277
CK872	2N408•	L5121	2N247‡	SFT266	2N301
CK878	2N270	L5122	2N247‡	SFT267	2N1099
CTP1104	2N301*	MN24	2N301	SFT307	2N218
CTP1109	2N301*	MN25	2N301	SFT308	2N219
CTP1132	2N561	MN26	2N301	SFT315	2N1632
CTP1135	2N561	OC16	2N301	SFT317	2N1632
CTP1136	2N561	OC16G	2N301	SFT319	2N1634
DR126	2N105	OC28	2N561	SFT320	2N1632
DR128	2N105	OC29	2N301A	SFT321	2N217
GT14	2N217	OC30	2N301	SFT322	2N217
GT14H	2N105	OC32	2N217•	SFT322-1	2N217S
GT20	2N217•	OC33	2N217•	SFT351	2N406
GT20H	2N105	OC34	2N217•	SFT352	2N406
GT38	2N105	OC41	2N581	SFT353	2N406
GT81	2N217•	OC42	2N218	SFT357	2N384
GT81H	2N105	OC44	2N219	SFT358	2N384
GT109	2N217•	OC45	2N218	ST3C	2N408
GT122	2N269	OC57	2N105	ST12	2N408
GT222	2N215	OC58	2N105	ST16A	2N585
GT759	2N218•	OC59	2N105	ST16B	2N585
GT760	2N218•	OC60	2N105	T34A	2N105
GT761	2N218•	OC65	2N105	T34B	2N105
GT762	2N219•	OC66	2N105	T34C	2N105
HA1	2N105	OC70	2N406	T34D	2N217•
HA2	2N105	OC71	2N408	T34E	2N217•
HA3	2N105	OC72	2N217•	T34F	2N217•
HA8	2N105	OC73	2N217	T1040	2N301*
HA9	2N105	OC74	2N270	T1041	2N301*
HA10	2N105	OC75	2N217	T1164	2N384
HJ15	2N215	OC76	2N586	T1166	2N384
HJ17	2N217	OC77	2N398	TS1	2N406
HJ22	2N218	OC139	2N585	TS2	2N408
HJ22D	2N218	OC140	2N1090	TS3	2N217
HJ23	2N219	OC141	2N1091	TS13	2N408
HJ23D	2N219	OC170	2N384	TS14	2N217
HJ32	2N370	OC171	2N384	TS32	2N270
HJ34	2N270	SB100	2N247‡	TS161	2N217•
HJ34A	2N270	SFT107	2N218	TS162	2N217•
HJ35	2N301	SFT108	2N219	TS163	2N217•
HJ37	2N371	SFT121	2N217	TS164	2N217•
HJ50	2N217	SFT122	2N217	TS165	2N217•
HJ51	2N408	SFT123	2N217	TS166	2N220•
HJ70	2N370	SFT127	2N218	TS176	2N301*
HJ71	2N371	SFT128	2N218	TS620	2N218•
HJ72	2N1636	SFT142	2N217S	TS621	2N219•
HJ73	2N1634	SFT151	2N406	V6R2	2N412
HJ74	2N1636	SFT152	2N406	V6R4	2N412
HJ75	2N1632	SFT153	2N406	V6R4M	2N219
HS3	2N269	SFT213	2N301	V15/20P	2N301
HS4	2N269	SFT214	2N301A	V25/50B	2N217
J1	2N217•	SFT238	2N456	V30/10P	2N301
				V30/20P	2N301
				ZJ13	2N217•
				ZJ71	2N247‡
				ZJ72	2N247‡
				ZJ73	2N247‡