

OE Part No.	OE Amp Rating	Univ. Part No.	OE Part No.	OE Amp Rating	Univ. Part No.	OE Part No.	OE Amp Rating	Univ. Part No.	OE Part No.	OE Amp Rating	Univ. Part No.
Delco (Cont'd)			Delco (Cont'd)			Delco (Cont'd)			Delco (Cont'd)		
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1100845	55	AL9971N	1101074	70	AL9971N	1102849	63	AL9971N	1103076	63	AL9971N
1100846	55	AL9971N	1101245	94	AL9972N	1102851	63	AL9971N	1103083	63	AL9971N
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1100916	55	AL9971N	1102466	63	AL9971N	1103041	63	AL9971N	1103175	61	AL9971N
1100917	55	AL9971N	1102467	63	AL9971N	1103042	63	AL9971N	1103182	63	AL9971N
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Delco (Cont'd)			Delco (Cont'd)			Delco (Cont'd)			Lester (Cont'd)		
1105081	56	AL9971N	1105523	56	AL9971N	1105523	56	AL9971N	7186-12	72	AL9971N
1105085	108	AL9972N	1105553	108	AL9972N	1105553	108	AL9972N	7272-3	63	AL9971N
1105162	61	AL9971N	1105559	72	AL9971N	1105559	72	AL9971N	7272-9	56	AL9971N
1105166	61	AL9971N	1105576	56	AL9971N	1105576	56	AL9971N	7272-12	56	AL9971N
1105170	61	AL9971N	1105604	94	AL9972N	1105604	94	AL9972N	7273-12	78	AL9971N
1105172	61	AL9971N	1105628	78	AL9971N	1105628	78	AL9971N	7282-3	63	AL9971N
1105173	61	AL9971N	1105629	94	AL9972N	1105629	94	AL9972N	7290-9	108	AL9972N
1105174	61	AL9971N	1105639	108	AL9972N	1105639	108	AL9972N	7294-12	94	AL9972N
1105175	61	AL9971N	1105681	108	AL9972N	1105681	108	AL9972N	7454	55-63	AL9971N
1105176	72	AL9971N	1876680	63	AL9971N	1876680	63	AL9971N	12145	95	AL9972N
1105177	72	AL9971N	1975629	63	AL9971N	1975629	63	AL9971N	12150	95	AL9972N
1105197	70	AL9971N	1975630	63	AL9971N	1975630	63	AL9971N	12151	85	AL9971N
1105250	70	AL9971N	1976063	63	AL9971N	1976063	63	AL9971N	12161	65	AL9971N
1105328	70	AL9971N	1979861	63	AL9971N	1979861	63	AL9971N	13195	55	AL9971N
1105333	70	AL9971N	1979862	63	AL9971N	1979862	63	AL9971N	Motorola		
1105348	63	AL9971N	1979863	63	AL9971N	1979863	63	AL9971N	9DA2JA2B07	55	AL9971N
1105360	63	AL9971N	1979865	63	AL9971N	1979865	63	AL9971N	9DB2LF2658	62	AL9971N
1105365	63	AL9971N	1979866	63	AL9971N	1979866	63	AL9971N			
1105373	108	AL9972N	1979867	63	AL9971N	1979867	63	AL9971N			
1105425	94	AL9972N	10463060	94	AL9972N	10463060	94	AL9972N			
1105497	108	AL9972N	10463397	94	AL9972N	10463397	94	AL9972N			
1105511	56	AL9971N	10480058	78	AL9971N	10480058	78	AL9971N			
1105514	61	AL9971N	10495382	63	AL9971N	10495382	63	AL9971N			



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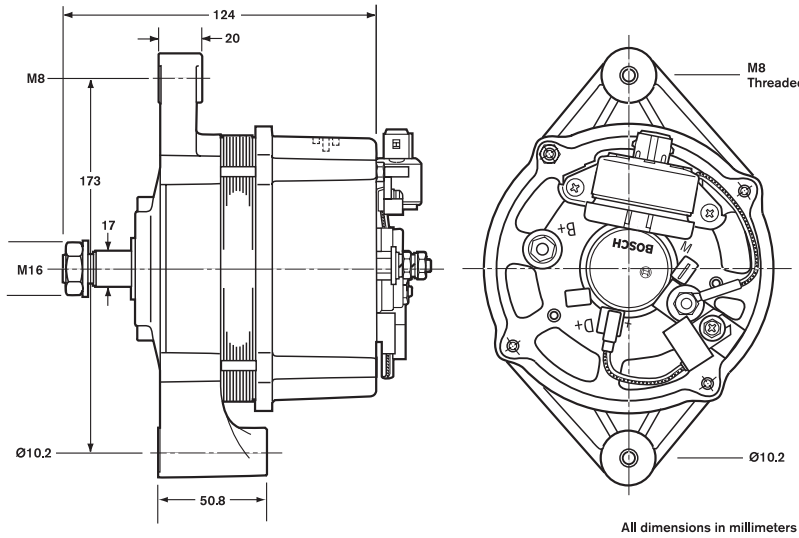


Universal Alternators

FEATURES

AL9971N/Specifications	
Type designation	K1 14V<->18/95A
Regulated voltage	14.2 volts
Cut in speed	1250 RPM
Max. speed	15000 RPM

AL9972N/Specifications	
Type designation	K1 14V<->2/120A
Regulated voltage	14.2 volts
Cut in speed	1500 RPM
Max. speed	12500 RPM



- ▶ Replaces over **500** OE SKUs
- ▶ Available in 95 and 120 Amp output
- ▶ Replaces internally and externally regulated units
- ▶ Heavy duty, high tolerance bearings
- ▶ Provision for tachometer output terminal
- ▶ Zener diode rectifier plate
- ▶ Sealed brush box
- ▶ Single mounting foot

INSTALLATION PROCEDURES

The following instructions must be adhered to when installing these universal replacement alternators

1. Disconnect negative battery cable from battery.
2. Remove existing (B+) connector from alternator.
3. Remove the voltage regulator plug connector from the original alternator.
4. Loosen alternator mounting hardware and remove belt from pulley.
5. Remove alternator mounting hardware and remove alternator.
6. Remove pulley, fan and spacers from original alternator.
7. Install pulley and fan from original alternator on replacement alternator. (Tighten to 54Nm/40ft.lbs. ... 68Nm/50ft.lbs. torque)
(See installation notes.)
8. Using original mounting hardware, install replacement.
9. Refer to B-121 instructions (right) for proper voltage regulation connection wiring.
10. Reconnect (B+) connector to B+ stud and tighten to 2.5Nm/22in.lbs. ... 3Nm/27in.lbs. torque.
(See installation notes.)
11. Adjust belt to correct tension and tighten alternator mounting bolts.
12. Ensure that battery is fully charged.
13. Reconnect negative battery cable.

INSTALLATION NOTES

Pulley: It is important that the original pulley and spacers are utilized with these replacement alternators. If a replacement pulley is required for any reason, it must be of the same diameter as the original. Pulleys smaller in diameter than the original may cause the alternator to exceed its maximum RPM rating.

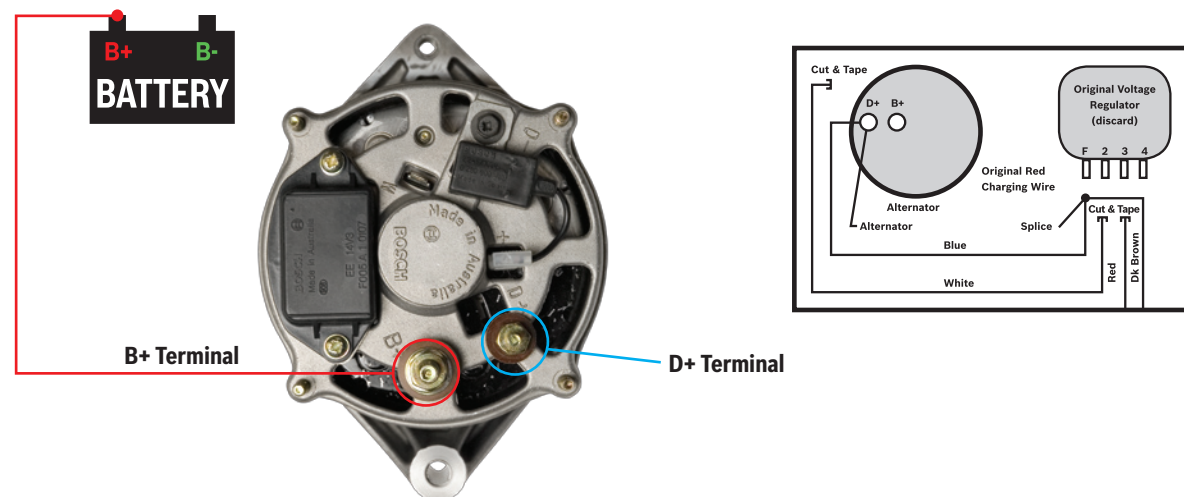
Fan: If a replacement fan is required for any reason, two different fans are recommended depending upon direction of rotation.

Clockwise Rotation: Bosch Fan # 1 126 610 070
Counter Clockwise Rotation: Bosch Fan # 1 126 610 046

Protection Screen: When used in an environment with a large amount of airborne dust or debris, the use of a protection screen is recommended.

Protection Screen: Bosch Protection Screen # 9 121 065 504

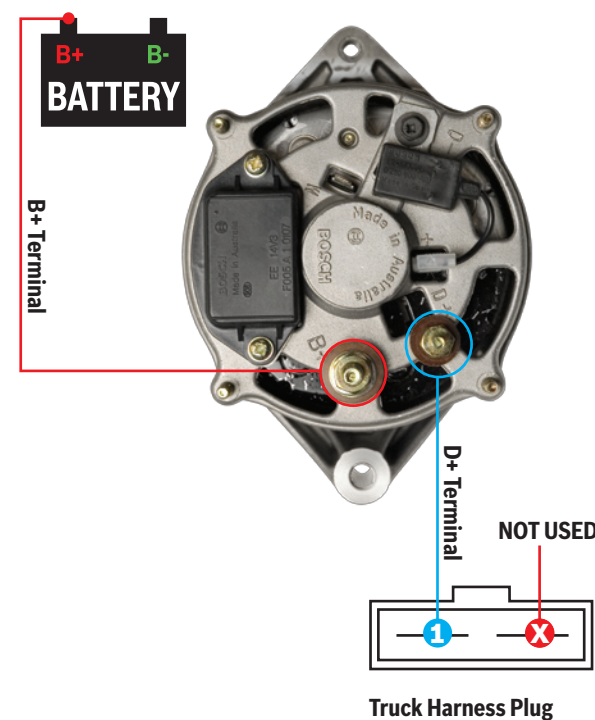
Two Wire Connection with External Regulator



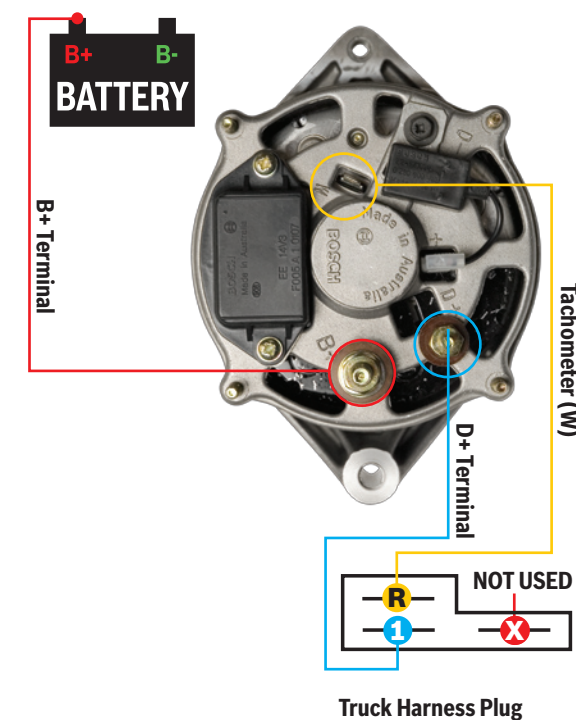
Disconnect vehicle wire harness connector from external voltage regulator.

1. Cut dk brown wire from #4 terminal of external voltage regulator connector.
2. Cut blue wire from "F" terminal of voltage regulator plug.
3. Strip insulation from #4 (dk brown) wired and "F" (blue) wire
- and splice them together. Insulate connections with electrical tape or wire nut.
4. Cut off wires at #2 (red) and #3 (white) locations in voltage regulator connector. Use electrical tape or wired nuts on each end.
5. Take the blue wire from the original alternator and attach it to the D+ terminal of the new Bosch alternator.
6. Attach the original B+ cable to the B+ terminal of the new Bosch alternator.

Two Wire Connection without Tach



Three Wire Connection with Tach



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Bosch			Delco (Cont'd)			Delco (Cont'd)			Delco (Cont'd)		
0-120-484-002	85	AL9971N	1100237	56	AL9971N	1100649	42	AL9971N	1100729	37	AL9971N
0-120-484-003	85	AL9971N	1100239	56	AL9971N	1100650	42	AL9971N	1100730	55	AL9971N
0-120-484-011	95	AL9972N	1100256	63	AL9971N	1100651	42	AL9971N	1100731	55	AL9971N
0-120-484-012	95	AL9972N	1100259	78	AL9971N	1100656	42	AL9971N	1100733	55	AL9971N
0-120-484-016	85	AL9971N	1100270	78	AL9971N	1100657	42	AL9971N	1100734	55	AL9971N
0-120-484-018	95	AL9972N	1100281	63	AL9971N	1100658	42	AL9971N	1100736	55	AL9971N
0-120-484-020	85	AL9971N	1100287	56	AL9971N	1100659	42	AL9971N	1100737	55	AL9971N
0-120-484-026	95	AL9972N	1100290	56	AL9971N	1100661	55	AL9971N	1100738	55	AL9971N
0-120-488-205	65	AL9971N	1100291	56	AL9971N	1100662	55	AL9971N	1100739	55	AL9971N
0-120-488-217	55	AL9971N	1100294	63	AL9971N	1100663	55	AL9971N	1100740	55	AL9971N
0-120-488-218	55	AL9971N	1100494	63	AL9971N	1100664	55	AL9971N	1100741	55	AL9971N
0-120-488-267	55	AL9971N	1100542	63	AL9971N	1100665	55	AL9971N	1100742	55	AL9971N
0-120-488-290	55	AL9971N	1100544	63	AL9971N	1100668	55	AL9971N	1100744	55	AL9971N
0-120-488-293	65	AL9971N	1100546	63	AL9971N	1100669	55	AL9971N	1100745	55	AL9971N
0-120-489-475	65	AL9971N	1100548	63	AL9971N	1100670	37	AL9971N	1100750	55	AL9971N
0-120-489-703	55	AL9971N	1100549	63	AL9971N	1100671	37	AL9971N	1100752	55	AL9971N
0-120-489-704	55	AL9971N	1100552	63	AL9971N	1100672	37	AL9971N	1100759	55	AL9971N
9-120-060-040	65	AL9971N	1100553	55	AL9971N	1100674	37	AL9971N	1100760	55	AL9971N
9-120-060-041	95	AL9972N	1100554	63	AL9971N	1100675	37	AL9971N	1100761	55	AL9971N
F-005-A00-023	65	AL9971N	1100557	55	AL9971N	1100676	37	AL9971N	1100762	55	AL9971N
Delco			1100558	55	AL9971N	1100677	55	AL9971N	1100765	55	AL9971N
1100111	63	AL9971N	1100560	63	AL9971N	1100678	55	AL9971N	1100767	55	AL9971N
1100116	63	AL9971N	1100563	63	AL9971N	1100679	55	AL9971N	1100768	55	AL9971N
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1100121	63	AL9971N	1100566	55	AL9971N	1100682	55	AL9971N	1100770	55	AL9971N
1100122	63	AL9971N	1100567	55	AL9971N	1100683	55	AL9971N	1100771	55	AL9971N
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1100125	63	AL9971N	1100569	55	AL9971N	1100686	37	AL9971N	1100774	55	AL9971N
1100129	63	AL9971N	1100570	55	AL9971N	1100687	37	AL9971N	1100775	55	AL9971N
1100130	63	AL9971N	1100571	55	AL9971N	1100688	37	AL9971N	1100777	55	AL9971N
1100131	63	AL9971N	1100572	55	AL9971N	1100689	37	AL9971N	1100778	55	AL