

Ttl. No.	Part No.	Description	Qty. Rqd.
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TECH TIP: Ground-Based Electrical Problems



Troubleshooting Vehicle: Discovery 1994-1996

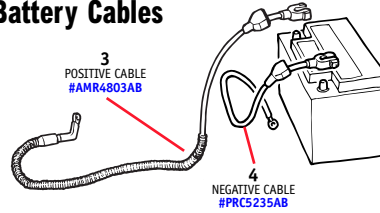
Poor grounds can cause numerous problems on a 1994 - 1996 Discovery. The following are main ground locations and the components they effect. To clean the contact surface, remove the fastener and use a wire brush to clean the post, connector and nut as needed. Spraying on a little contact cleaner may help, too. If the contact point is painted, a star washer can also be added to improve the connection.

Check these ground locations:

1. Right inner fender, behind the battery. Battery and EMC on 1994 & 1995 models.
2. Below the battery, inside the right frame rail. Battery ground.
3. Right of the left cylinder head. ECU, AC compressor clutch on 1994 & 1995 models.
4. Right frame rail, inside wheel well. Starter.
5. Left footwell, behind trim panel. ECM, key switch, radio, OBDII data link.
6. Right footwell, behind trim panel. Starter solenoid relay, park-neutral position switch, alarm, data link connector.
7. Left side of luggage compartment, behind access panel for taillights, above light assembly. Fuel pump, fuel level sensor.

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Battery Cables



1	9603	BATTERY, Optima, regular cycle (red top)	1
2	9602	BATTERY, Optima, deep cycle (yellow top)	1
3	AMR4803AB	BATTERY CABLE, positive, Genuine	1
4	PRC5235AB	BATTERY CABLE, negative, Genuine	1
5	9040A	ISOLATOR KIT, dual battery, with battery manager	1
	9040	ISOLATOR KIT, dual battery	1
	9041	MANAGER, battery	1
		Use in conjunction with isolator kit	
6	9108	BATTERY MAT	1
	9018A	BATTERY MAT, set of 2	*NLA

Battery Mat

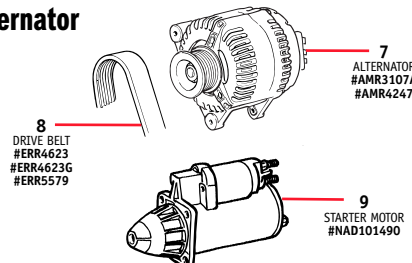
Used and recommended by the U.S. Air Force, the Battery Mat traps and neutralizes battery acid, protecting your battery box and surrounding hoses, wires, metal, etc. from corrosion. Get one for every battery you own and protect your lawn tractor, snowmobile, boat, etc. from corrosion, too!

Battery Mat (9108)



7	AMR3107A	ALTERNATOR, 100 amp, new (e) 35D, 36D engines	1
	AMR4247	ALTERNATOR, 100 amp, new (e) 50D engines	1
	D1ALTFK	ALTERNATOR FIXING KIT (e) 35D, 36D, 50D engines	*NLA
8	ERR4623	BELT, drive, polyvee (e) 35D, 36D engines	1
	ERR4623G	BELT, drive, polyvee, Genuine (e) 35D, 36D engines	1
	ERR5579	BELT, drive, polyvee (e) 50D engines	1
9	NAD101490	STARTER MOTOR ASSEMBLY	1
	STARTFK	STARTER FIXING KIT	1

Alternator



*NLA = No Longer Available

BATTERY AND ROTATING ELECTRICS

REMARKS LEGEND -

Engine (e) numbers:

35D = 3.9 liter, manual transmission, distributor ignition

36D = 3.9 liter, automatic transmission, distributor ignition

50D = 4.0 liter, electronic ignition

MONEY-SAVING KITS NOTED IN RED TYPE

TECH TIP: Optima Battery Upgrades



The revolutionary Optima Battery features patented Spiralcell technology that lasts up to 3 times longer than conventional flat-plate batteries! The Optima's totally-sealed design will not leak even if it's cracked open. And, it's much more resistant to jarring and vibration common to off-road driving (a primary killer of conventional liquid-filled batteries). Choose the regular cell with 800 Cold Cranking Amps, or the deep cycle with 750 C.C.A. for winching or other situations that require occasional recharging.

Optima Spiralcell Battery - Red - Regular Cycle (9603)

Optima Spiralcell Battery - Yellow - Deep Cycle (9602)



TO ORDER, CALL **1-800-533-2210**