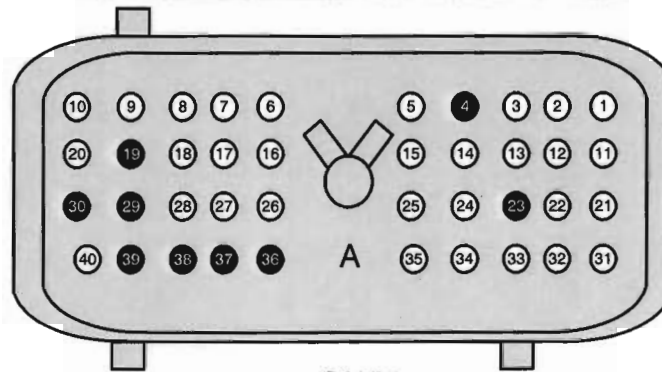


150-111 CONNECTOR FACES

2001 RANGER ELECTRIC VEHICLE

* LEAD ACID
** NIMH

Added wires taken from unused part of high voltage wiring assembly.
Created 6" pigtails and noted color to ID.



C1986

BATTERY CONTROL MODULE (BCM)

LOW VOLTAGE

PIN	CIRCUIT	CIRCUIT FUNCTION	PIN	CIRCUIT	CIRCUIT FUNCTION
1	3003 (PK/WH)	Emergency Power Off (EPO) Request From Battery Controller Module (BCM)	22	3704 (RD/WH)	Battery Pack Temperature Sensor #3 (TS3) Input
2	3001 (VT/OG)	Battery Heater #1 Control	23	-	NOT USED
3	3000 (VT)	Battery Heater #2 Control	24	*1199 (GY/BK)	Battery Pack Temperature Sensor #2 (TS2) Return
4	-	NOT USED	**3218 (GY/BK)		
5	3826 (WH)	Charger Power	25	3760 (DG)	Battery Pack Temperature Sensor #2 (TS2) Input
6	3009 (OG/RD)	Charger Pilot Enable	26	*1203 (BK/LB)	Battery Pack Temperature Sensor #4 (TS4) Return
7	3992 (BN/YE)	Charger Mode	**3219 (BK/LB)		
8	3827 (GY/WH)	Charger Charging	27	*3759 (DG/WH)	Battery Pack Temperature Sensor #4 (TS4) Input
9	3703 (BN/WH)	Battery Pack Temperature Sensor #1 (TS1)	**3758 (OG/RD)		
10	787 (PK/BK)	Power (Hot at All Times)	28	*3396 (YE/LG)	Cooling Fan Feedback Signal
11	3401 (DB/LG)	Charge Level	**3605 (DB/WH)		Recirculating Fan Feedback Signal
12	3008 (VT)	Charge Max Line	29	-	NOT USED
13	3985 (PK)	Charger Enable	30	-	NOT USED
14	295 (LB/PK)	Power (Hot in Start or Run)	31	3007 (VT/YE)	Battery Heater Present Signal
15	3706 (DB)	Main Current Sensor Input	NC 32	3395 (OG/LB)	Cooling Fan Control Signal → to recirc fan speed control workaround
16	3996 (RD/YE)	Auxiliary Current Sensor Return	33	57 (BK)	Ground
17	3705 (LB)	Auxiliary Current Sensor Input	NC 34	3852 (BK/LG)	Cooling Fan Feedback Ground Reference
18	3006 (VT/LG)	Emergency Power Off (EPO) Input	35	3990 (LB/RD)	Charger Return
19	-	NOT USED	** 36	- WH/BK	NOT USED BCM-IOM DX OUT, IOM pin 32
20	787 (PK/BK)	Power (Hot at All Times)	37	-	NOT USED
21	*1197 (LG/BK)	Battery Pack Temperature Sensor #3 (TS3) Return	38	-	NOT USED
	**3217 (LG/BK)		39	-	NOT USED
			40	*1163 (BN)	Battery Pack Temperature Sensor #1 (TS1) Return
				**3216 (BN)	