

Windstar BPS and ABS Module Circuit Details

Model Year	1995	1996	1997	1998	1999	2000	2001	2002	2003
BPS Pwr Feed	RUN only	RUN only	RUN only	RUN only	RUN only	RUN only	RUN only	RUN only	RUN only
BPS I/P Fuse Number	30	30	30	30	10	10	10	10	10
BPS Fuse Rating	25A	25A	25A	15A	10A	10A	15A	15A	15A

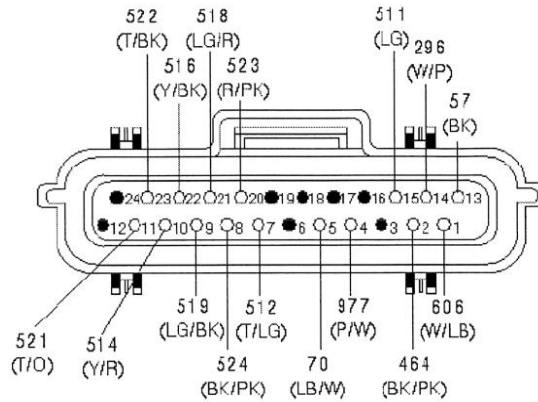
Circuits Which Share the BPS Ignition RUN Circuit Input									
Speed Control Servo	X	X	X	X	X	X	X	X	X
ABS Module		Late 96MY	X	X	X	X	X	X	X
Trans Range Sensor	X	X	X						
EVAC & Fill Conn				After Aug31, 97					
A/C Clutch Cycling Pressure Sw					X	X	X	X	X
C100F (12B637 Inline) - Not in 12B637					X	X	X		
Steering Angle Sensor (IVD Only)							X	X	X
C110 (12B637 Inline) - Not in 12B637								X	X

Circuits Which Share the BPS Ouput									
Speed Control Servo	X	X	X	X	X	X	X	X	X
ABS Module		3.8L Only, In Signal Conn	3.8L Only, In Signal Conn	In Signal Conn	X	X	X	X	X

ABS Module Connector									
	BPS circuit not connected to the ABS module.	Separate B+/GRD and signal conns. RUN only feed (15A fuse) in signal conn.	Separate B+/GRD and signal conns. RUN only feed (15A fuse) in signal conn.	Separate B+/GRD and signal conns. RUN only feed (15A fuse) in signal conn.	One ABS module conn. Two B+ feeds (separate 40A fuses) + one RUN only feed (10A fuse).	One ABS module conn. Two B+ feeds (separate 40A fuses) + one RUN only feed (10A fuse).	One ABS module conn. Two B+ feeds (separate 40A fuses) + one RUN only feed (15A fuse).	One ABS module conn. Two B+ feeds (separate 40A fuses) + one RUN only feed (15A fuse).	One ABS module conn. Two B+ feeds (separate 40A fuses) + one RUN only feed (15A fuse).

Revised: 7/22/2008

Connector Face/Pinout Charts, C111 (150-6)



C111

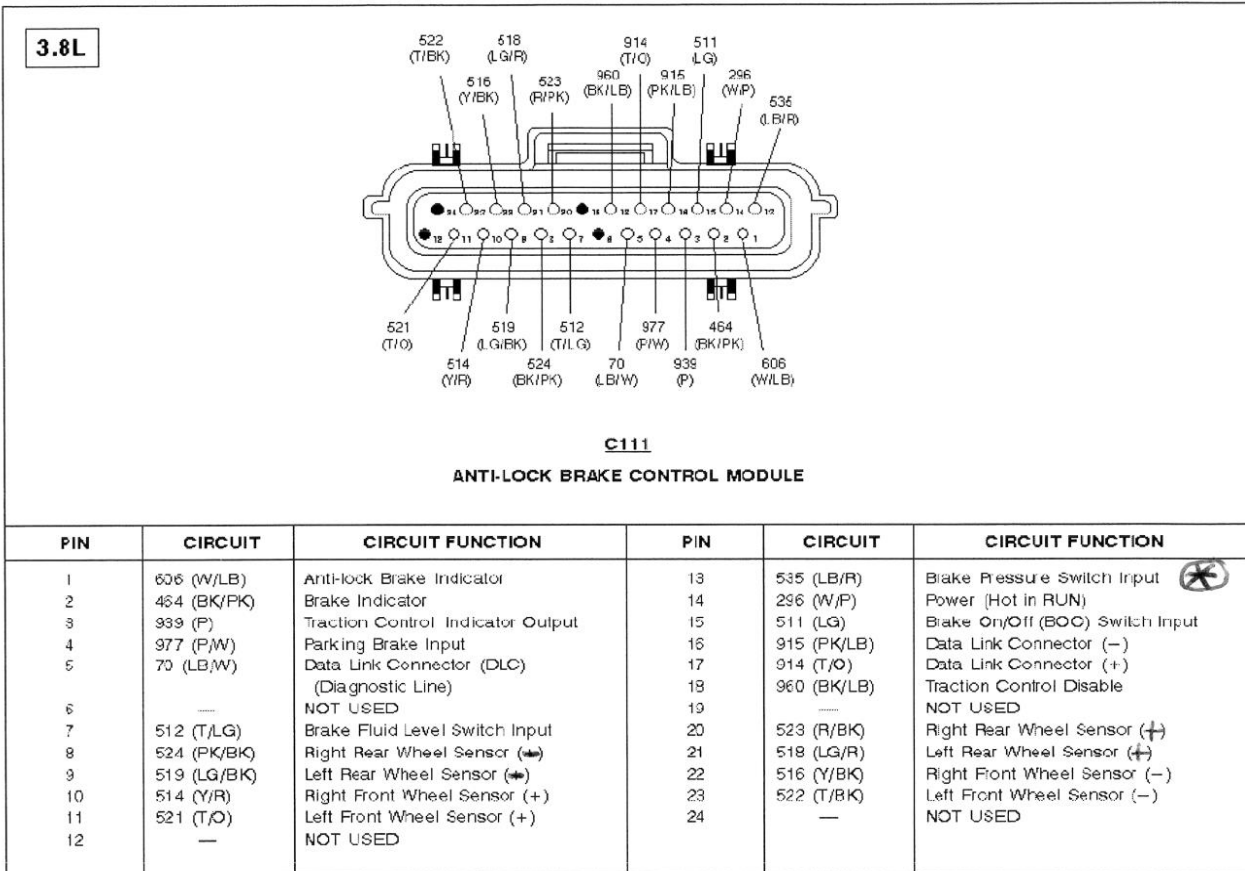
ANTI-LOCK BRAKE CONTROL MODULE

PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION	PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
1	606 (W/LB)	Anti-lock Brake Indicator Output	13	57 (BK)	NOT USED
2	464 (BK/PK)	Brake Indicator Output	14	296 (W/P)	Power (Hot in RUN)
3	—	NOT USED	15	511 (LG)	Brake On/Off (BOO) Switch Input
4	977 (P/W)	Parking Brake Input	16	—	NOT USED
5	70 (LB/W)	Data Link Connector (DLC) (Diagnostic Line)	17	—	NOT USED
6	—	NOT USED	18	—	NOT USED
7	512 (T/LG)	Brake Fluid Level Switch Input	19	—	NOT USED
8	524 (PK/BK)	Right Rear Wheel Sensor (→)	20	523 (R/PK)	Right Rear Wheel Sensor (→)
9	519 (LG/BK)	Left Rear Wheel Sensor (←)	21	518 (LG/R)	Left Rear Wheel Sensor (←)
10	514 (Y/R)	Right Front Wheel Sensor (+)	22	516 (Y/BK)	Right Front Wheel Sensor (-)
11	521 (T/O)	Left Front Wheel Sensor (+)	23	522 (T/BK)	Left Front Wheel Sensor (-)
12	—	NOT USED	24	—	NOT USED

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1996MY 3.8L

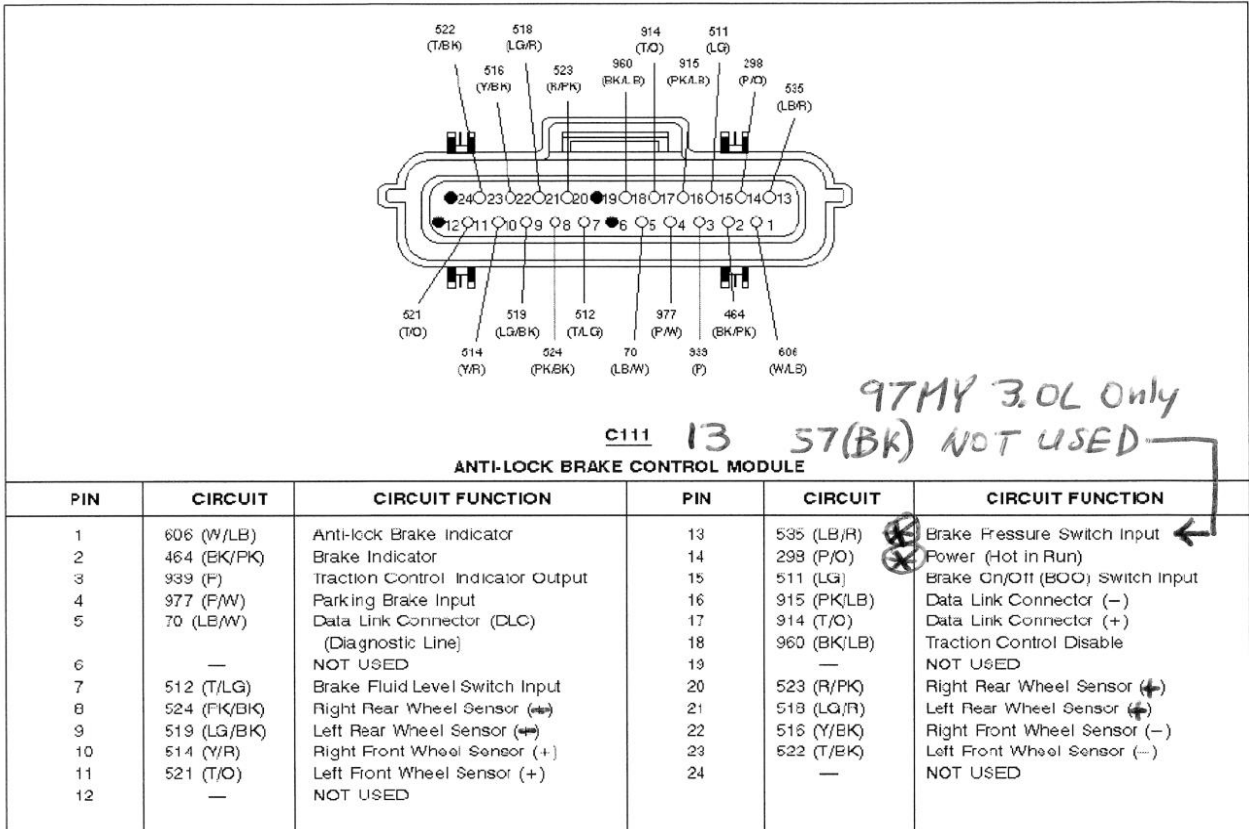
Connector Face/Pinout Charts, C111 (150-10)



⊕ Shared w/BPS

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Connector Face/Pinout Charts, C111 (150-11)



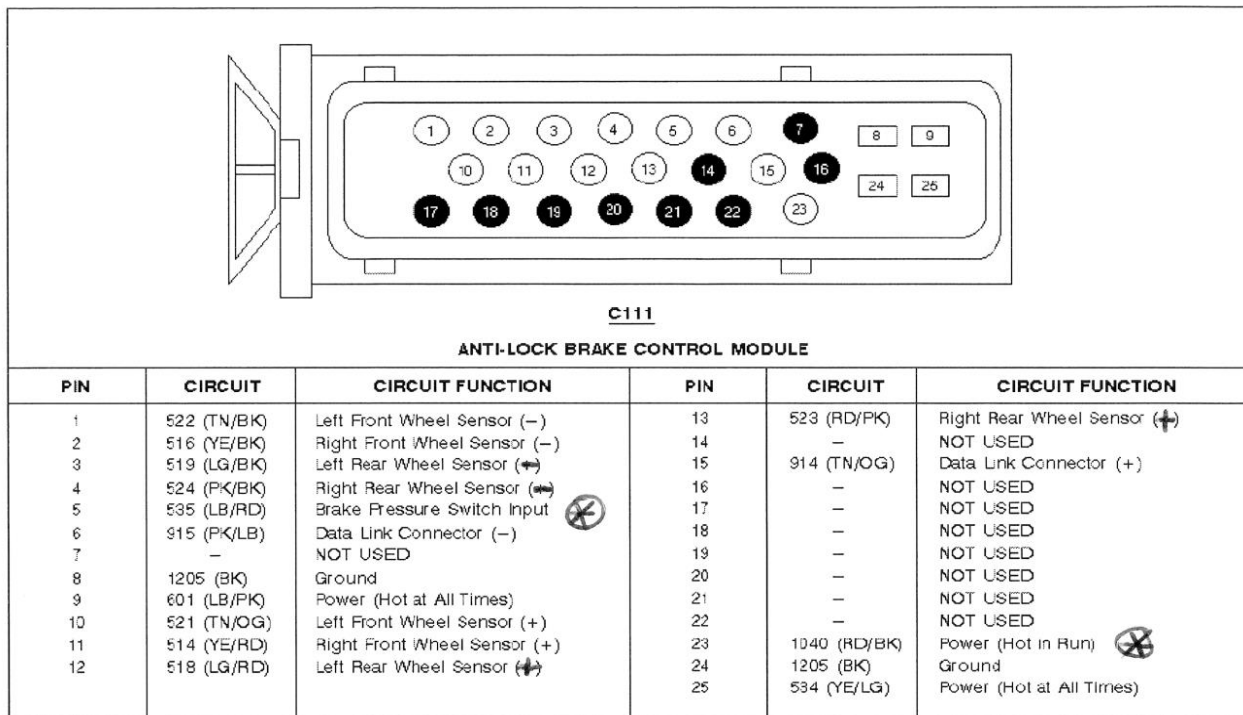
97MY 3.0L Only

13 57(BK) NOT USED

⊗ Shared w/BPS

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1999MY-2000MY
Connector Face/Pinout Charts, C111 (150-10)



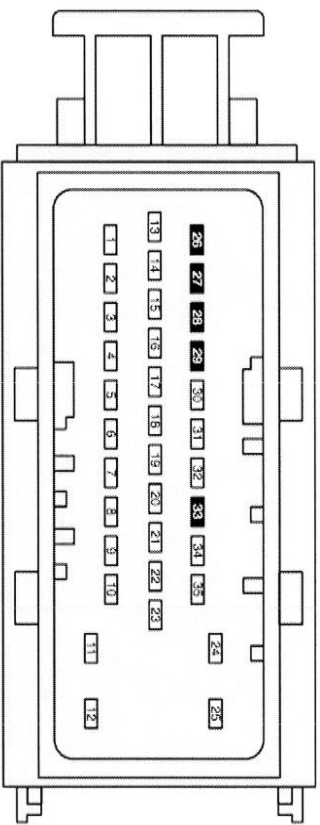
⊗ Shared w/BPS

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2001MY - 2003MY
 (W/IVD)

ANTI-LOCK BRAKE SYSTEM (ABS) 42-6

2001 WINDSTAR



C131

ANTI-LOCK BRAKE CONTROL MODULE

REVISED

PIN	CIRCUIT	CIRCUIT FUNCTION	PIN	CIRCUIT	CIRCUIT FUNCTION
1	915 (PK/LB)	SCP Data Bus (-)	19	521 (TN/OG)	LF Wheel Speed HIGH
2	914 (TN/OG)	SCP Data Bus (+)	20	522 (TN/BK)	LF Wheel Speed LOW
3	1574 (DB)	Inertial Sensor 5v Supply	21	518 (LG/RD)	LR Wheel Speed HIGH
4	1576 (TN/BK)	Yaw Rate Signal	22	519 (LG/BK)	LR Wheel Speed LOW
5	535 (LB/RD)	Brake Pressure Switch Signal	23	1040 (RD/BK)	Power (Hot in Run) *
6	1577 (RD/LB)	Lateral Acceleration Signal	24	1205 (BK)	Ground
7	514 (YE/RD)	RF Wheel Speed HIGH	25	601 (LB/PK)	Power (Hot at All Times)
8	516 (YE/BK)	RF Wheel Speed LOW	26	-	NOT USED
9	523 (RD/PK)	RR Wheel Speed HIGH	27	-	NOT USED
10	524 (PK/BK)	RR Wheel Speed LOW	28	-	NOT USED
11	1205 (BK)	Ground	29	-	NOT USED
12	534 (YE/LG)	Power (Hot at All Times)	30	1578 (GY/BK)	Inertial Sensor Self Test
13	1583 (BN/WH)	EAS Solenoid Drive (Low Side)	31	1581 (PK/LB)	EAS Release Switch (Normally Closed)
14	1582 (LG/RD)	EAS Supply (High Side)	32	1590 (LB)	EAS Release Switch Common
15	1580 (WH/LG)	EAS Fail-safe Switch (Normally Open)	33	-	NOT USED
16	1573 (YE)	Steering Angle Signal B	34	1575 (BK/WH)	Inertial Sensor Ground
17	1579 (OG/RD)	Ring Frequency (Rastler)	35	1571 (BK)	Steering Angle Sensor Ground
18	1572 (DG)	Steering Angle Signal A			

* Shared w/BPS

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2001MY - 2003MY

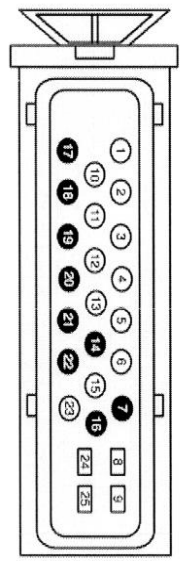
w/o IVD

Note: Same as 1999MY-2000MY

2001 WINDSTAR
42-5 ANTI-LOCK BRAKE SYSTEM (ABS)

IVD not available until 2001MY

W/O IVD



C111

ANTI-LOCK BRAKE CONTROL MODULE

PIN	CIRCUIT	CIRCUIT FUNCTION	PIN	CIRCUIT	CIRCUIT FUNCTION
1	522 (TN/BK)	LF Wheel Speed LOW	14	-	NOT USED
2	516 (YE/BK)	RF Wheel Speed LOW	15	914 (TN/OG)	SCP Data Bus (+)
3	519 (LG/BK)	LR Wheel Speed LOW	16	-	NOT USED
4	524 (PK/BK)	RR Wheel Speed LOW	17	-	NOT USED
5	535 (LB/RD)	Brake Pressure Switch Signal	18	-	NOT USED
6	915 (PK/LB)	SCP Data Bus (-)	19	-	NOT USED
7	-	NOT USED	20	-	NOT USED
8	1205 (BK)	Ground	21	-	NOT USED
9	601 (LB/PK)	Power (Hot at All Times)	22	-	NOT USED
10	521 (TN/OG)	LF Wheel Speed HIGH	23	1040 (RD/BK)	Power (Hot in Run)
11	514 (YE/RD)	RF Wheel Speed HIGH	24	1205 (BK)	Ground
12	518 (LG/RD)	LR Wheel Speed HIGH	25	534 (YE/LG)	Power (Hot at All Times)
13	523 (RD/PK)	RR Wheel Speed HIGH			

Shared w/ BPS