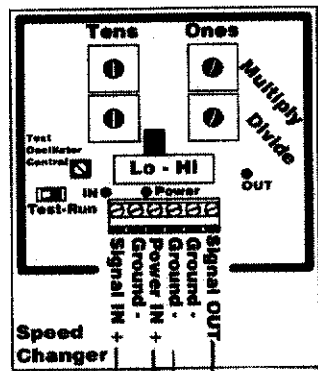


C294 (GRAY)

POWERTRAIN CONTROL MODULE (PCM)

3.8L

PIN	CIRCUIT	CIRCUIT FUNCTION	PIN	CIRCUIT	CIRCUIT FUNCTION
1	315 (VT/OG)	Shift Solenoid #B (SSB)	18	-	NOT USED
2	-	NOT USED	19	-	NOT USED
3	1144 (YE/BK)	Digital Transmission Range (DTR) Sensor TR1	20	-	NOT USED
4	-	NOT USED	21	349 (DB)	Crankshaft Position (CKP) Sensor (+)
5	17 (WH)	Electric Air Pump	22	360 (GY)	Crankshaft Position (CKP) Sensor (-)
6	-	NOT USED	23	-	NOT USED
7	-	NOT USED	24	-	NOT USED
8	-	NOT USED	25	1205 (BK)	Case Ground
9	-	NOT USED	26	526 (DB/LG)	To Coil Driver 1 (A)
10	-	NOT USED	27	237 (OG/YE)	Shift Solenoid #A (SSA)
11	-	NOT USED	28	-	NOT USED
12	-	NOT USED	29	224 (TN/WH)	Transmission Control Switch Input
13	107 (VT)	Data Link Connector (DLC) Reprogramming Power Supply Pin	30	-	NOT USED
14	-	NOT USED	31	-	NOT USED
15	915 (PK/LB)	SCP Data Bus (-)	32	-	NOT USED
16	914 (TN/OG)	SCP Data Bus (+)	33	-	NOT USED
17	-	NOT USED	34	-	NOT USED



ATTACH TO NEG (-)

ATTACH TO POS (+)

CUT HERE →

To SPEEDOMETER

Physical Connections  
2000 Mustang

PIN	CIRCUIT	CIRCUIT FUNCTION	PIN	CIRCUIT	CIRCUIT FUNCTION
35	392 (RD/LG)	Right Rear Heated Oxygen Sensor (HO2S)	70	369 (WH/OG)	Electronic Air Management
36	968 (TN/LB)	Mass Air Flow (MAF) Sensor Return	71	361 (RD)	Power (VPWR)
37	929 (OG/BK)	Transmission Fluid Temperature (TFT) Sensor	72	-	NOT USED
38	354 (LG/RD)	Engine Coolant Temperature Sensor Input	73	559 (TN/BK)	Fuel Injector #5
39	749 (GY)	Intake Air Temperature (IAT) Sensor Input	74	557 (BN/YE)	Fuel Injector #3
40	928 (LB/OG)	Fuel Pump Monitor Input	75	555 (TN)	Fuel Injector #1
41	198 (DG/OG)	Air Conditioning Cycling Switch (ACCS) Input	76	570 (BK/WH)	Power Ground (PWRGND)
42	-	NOT USED	77	570 (BK/WH)	Power Ground (PWRGND) → To SPEEDCHANGER PIN#4 GROUND
43	-	NOT USED	78	528 (PK/WH)	To Coil Driver 3 (C)
44	-	NOT USED	79	-	NOT USED
45	228 (DB)	Low Fan Control Output	80	922 (WH/RD)	Fuel Pump Relay Output
46	639 (LG/VT)	Cooling Fan (HIGH)	81	925 (WH/YE)	Electronic Pressure Control (EPC)
47	360 (BN/PK)	EGR Vacuum Regulator Solenoid	82	-	NOT USED
48	-	NOT USED	83	264 (WH/LB)	Idle Air Control (IAC) Valve
49	1145 (LB/BK)	Digital Transmission Range (DTR) Sensor TR2	84	970 (DG/WH)	Output Shaft Speed Sensor (OSS)
50	1143 (WH/BK)	Digital Transmission Range (DTR) Sensor TR4	85	282 (DB/OG)	Camshaft Position (CMP) Sensor
51	570 (BK/WH)	Power Ground	86	-	NOT USED
52	527 (RD/LB)	To Coil Drive 2 (B)	87	94 (RD/BK)	Left Front Heated Oxygen Sensor (HO2S)
53	-	NOT USED	88	967 (LB/RD)	Mass Air Flow (MAF) Sensor
54	924 (BN/OG)	Torque Converter Clutch (TCC) Solenoid	89	355 (GY/WH)	Throttle Position (TP) Sensor
55	729 (RD/WH)	Keep Alive Power	90	351 (BN/WH)	Reference Voltage (VREF)
56	191 (LG/BK)	EVAP Canister Purge Valve	91	359 (GY/RD)	Signal Return (SIGRTN)
57	-	NOT USED	92	511 (LG)	Brake Pedal Position (BPP) Switch Input
58	-	NOT USED	93	387 (RD/WH)	Right Front Heated Oxygen Sensor
59	-	NOT USED	94	388 (YE/LB)	Left Front Heated Oxygen Sensor
60	74 (GY/LB)	Right Front Heated Oxygen Sensor (HO2S)	95	389 (WH/BK)	Right Rear Heated Oxygen Sensor (HO2S)
61	393 (VT/LG)	Left Rear Heated Oxygen Sensor (HO2S)	96	390 (TN/YE)	Left Rear Heated Oxygen Sensor (HO2S) Output
62	791 (RD/PK)	Fuel Tank Pressure Transducer	97	361 (RD)	Vehicle Power (VPWR) → TO SPEEDCHANGER PIN#3 + POWER
63	141 (RD/PK)	Fuel Rail Pressure Transducer	98	-	NOT USED
64	199 (LB/YE)	Digital Transmission Range (DTR) Sensor TR3A	99	560 (LG/OG)	Fuel Injector #6 Output
65	352 (BN/LG)	Differential Pressure Feedback EGR Sensor	100	558 (BN/LB)	Fuel Injector #4 Output
66	-	NOT USED	101	556 (WH)	Fuel Injector #2 Output
67	101 (GY/YE)	EVAP Canister Vent Solenoid	102	-	NOT USED
68	239 (WH/OG)	Vehicle Speed Signal	103	570 (BK/WH)	Power Ground (PWRGND)
69	331 (PK/YE)	WOT A/C Cutout Relay	104	-	NOT USED

→ To SPEEDCHANGER  
PIN#1 signal IN

Cut Wire

To (FROM)  
SPEEDCHANGER  
PIN#6 signal out

\* START ON RUN

WIRING DIAGRAM OF ECU

NOT AT ALL TIMES

CENTRAL JUNCTION BOX PAGE 13-8

CENTRAL JUNCTION BOX PAGE 21-1

SEE POWER DISTRIBUTION PAGE 13-9

Measures the amount of air flowing into the engine and outputs a voltage to the PCM, which uses this input to help calculate fuel delivery.

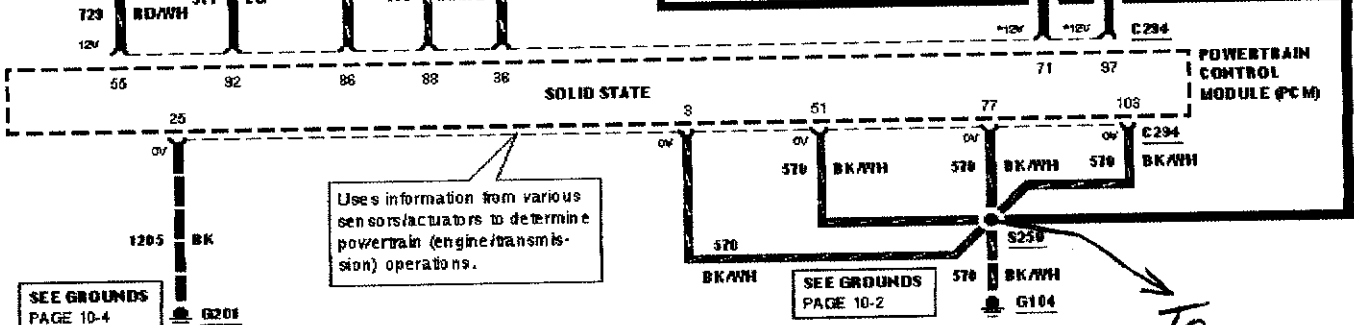
SPEED CONTROL PAGE 51-2

AIR CONDITIONER/HEATER PAGE 54-3

MASS AIR FLOW (MAF) SENSOR

4R70W TRANS-MISSION PAGE 23-4

To Speed Changer Pin #3 + Power



Uses information from various sensors/actuators to determine powertrain (engine/transmission) operations.

SEE GROUNDS PAGE 10-4

SEE GROUNDS PAGE 10-2

To Speed Changer Pin #4 Ground

# 29-3 Transmission Controls, 4R70W

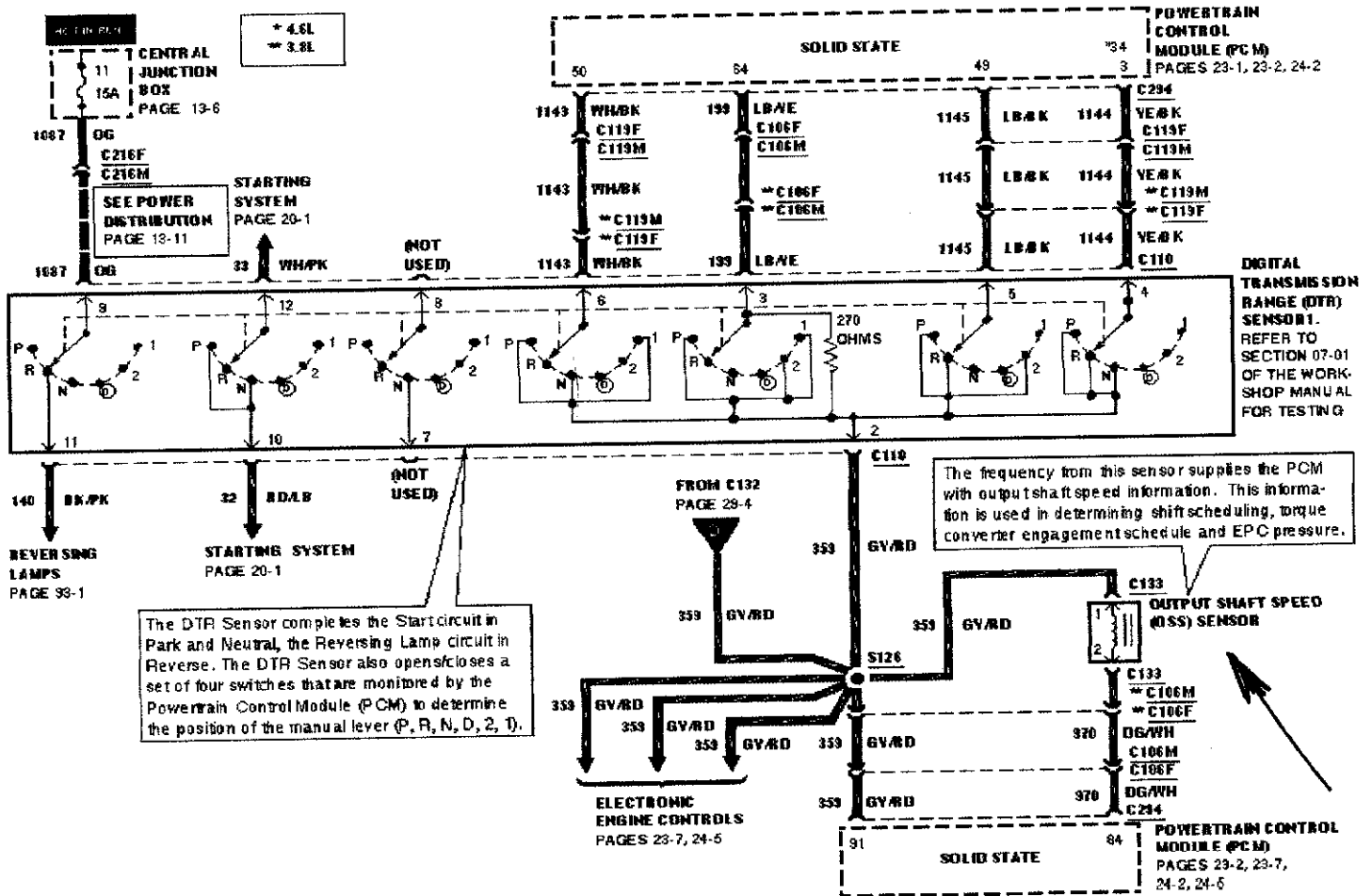
➔ Component

➔ Connector

➔ Splice

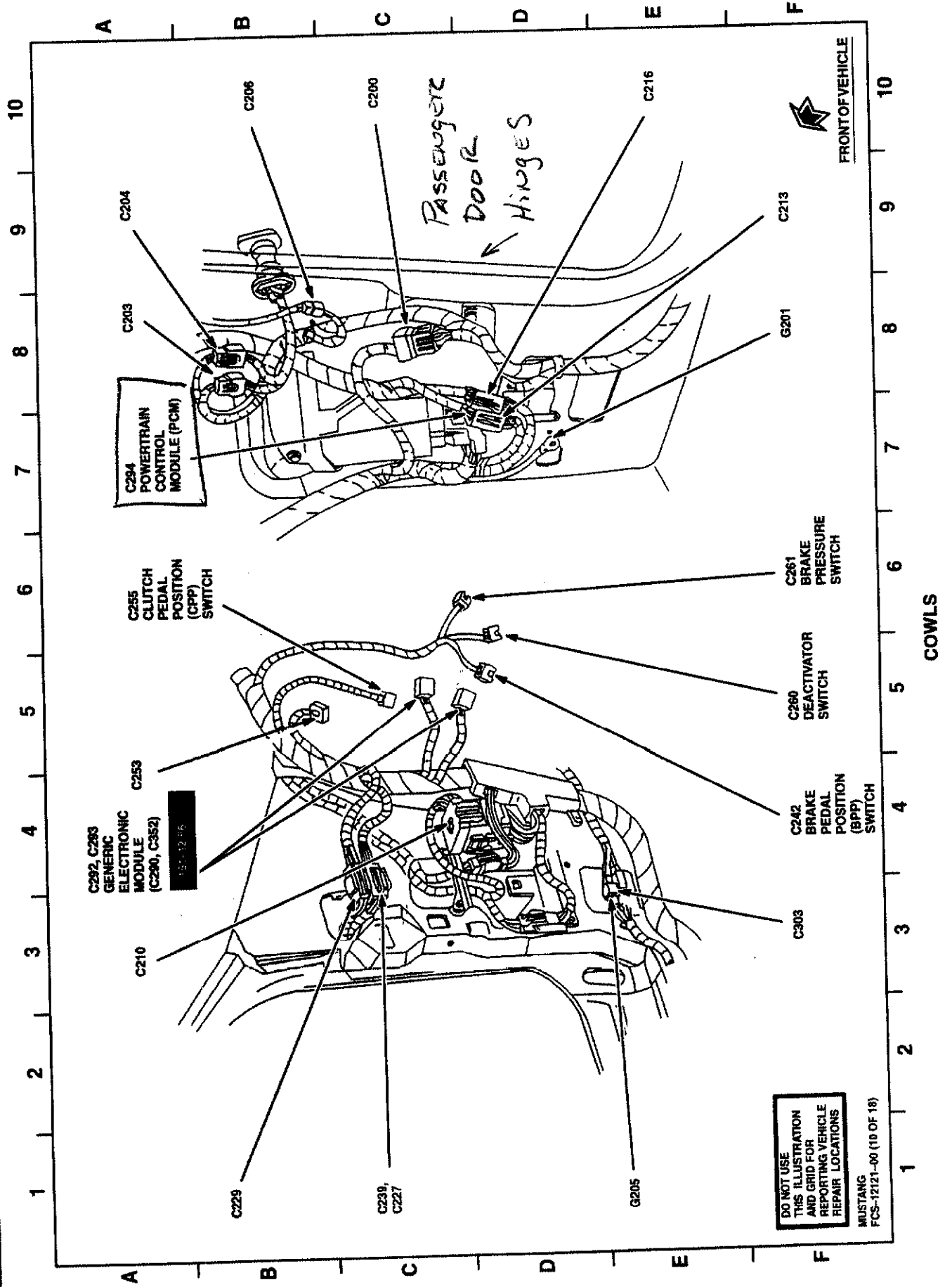
➔ Page

➔ Harness



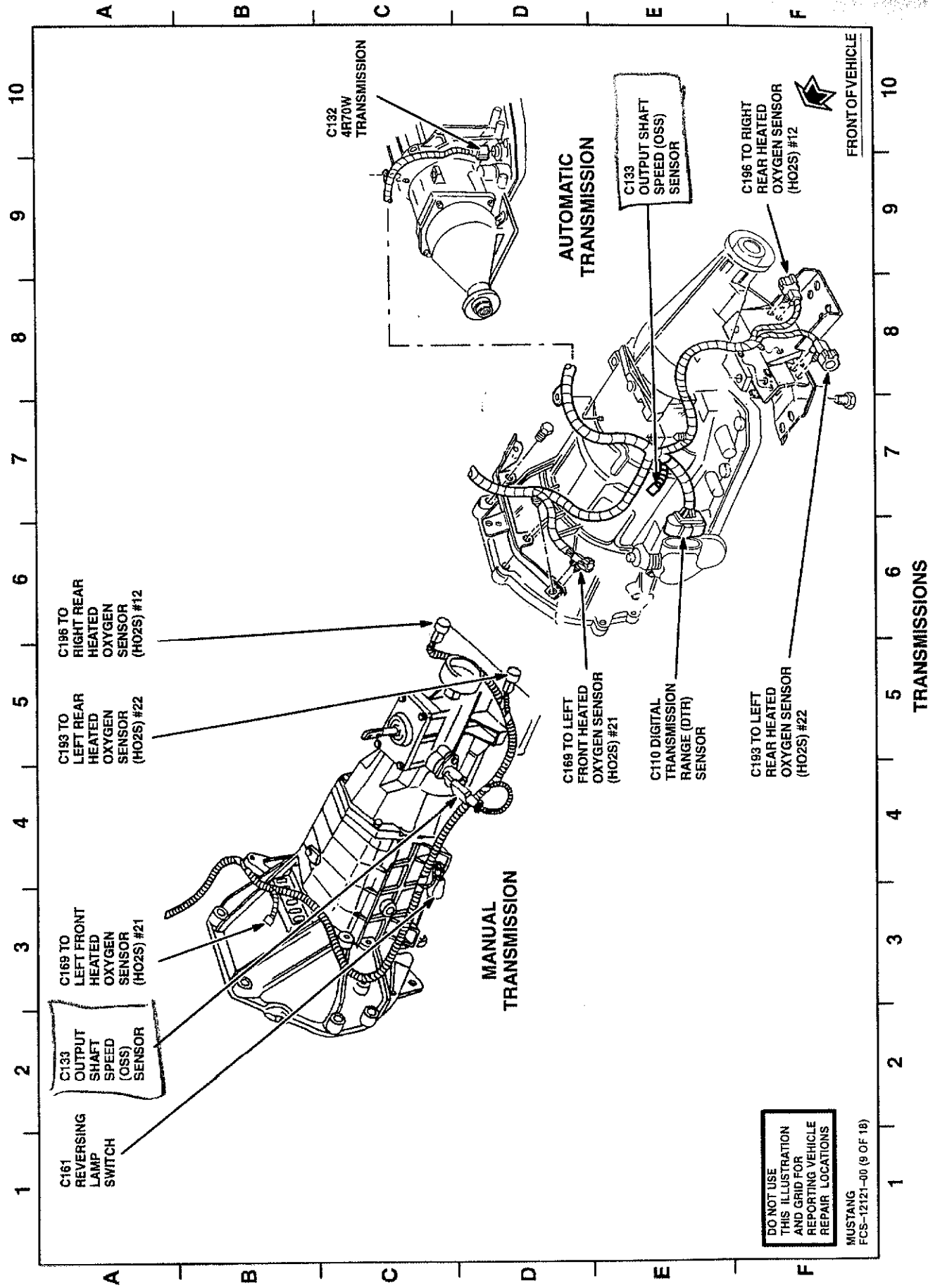
# COMPONENT LOCATION VIEWS 151-10

2000 MUSTANG



# 151-9 COMPONENT LOCATION VIEWS

2000 MUSTANG



DO NOT USE THIS ILLUSTRATION AND GRID FOR REPORTING VEHICLE REPAIR LOCATIONS

MUSTANG  
FCS-12121-00 (9 OF 18)