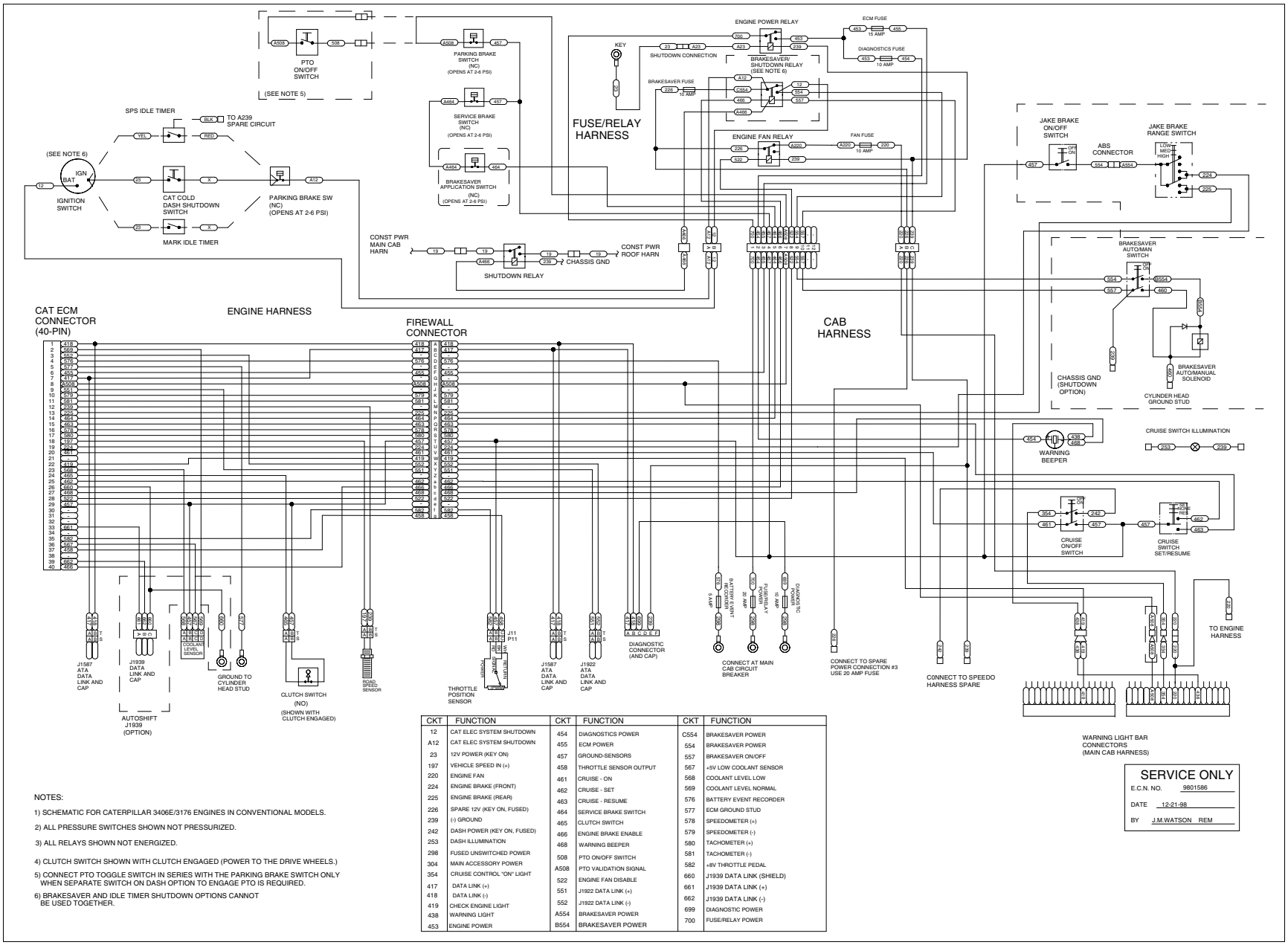
CAT C10/C12, 3176B, 3406E Engine Schematic

SK24807 D 01



CKT	FUNCTION	CKT	FUNCTION	CKT	FUNCTION
12	CAT ELEC SYSTEM SHUTDOWN	454	DIAGNOSTICS POWER	C554	BRAKESAVER POWER
A12	CAT ELEC SYSTEM SHUTDOWN	455	ECM POWER	554	BRAKESAVER POWER
23	12V POWER (KEY ON)	457	GROUND-SENSORS	557	BRAKESAVER ON/OFF
197	VEHICLE SPEED IN (+)	458	THROTTLE SENSOR OUTPUT	567	+5V LOW COOLANT SENSOR
220	ENGINE FAN	461	CRUISE - ON	568	COOLANT LEVEL LOW
224	ENGINE BRAKE (FRONT)	462	CRUISE - SET	569	COOLANT LEVEL NORMAL
225	ENGINE BRAKE (REAR)	463	CRUISE - RESUME	576	BATTERY EVENT RECORDER
226	SPARE 12V (KEY ON, FUSED)	464	SERVICE BRAKE SWITCH	577	ECM GROUND STUD
239	(-) GROUND	465	CLUTCH SWITCH	578	SPEEDOMETER (+)
242	DASH POWER (KEY ON, FUSED)	466	ENGINE BRAKE ENABLE	579	SPEEDOMETER (-)
253	DASH ILLUMINATION	468	WARNING BEEPER	580	TACHOMETER (+)
298	FUSED UNSWITCHED POWER	508	PTO ON/OFF SWITCH	581	TACHOMETER (-)
304	MAIN ACCESSORY POWER	A508	PTO VALIDATION SIGNAL	582	+8V THROTTLE PEDAL
354	CRUISE CONTROL "ON" LIGHT	522	ENGINE FAN DISABLE	660	J1939 DATA LINK (SHIELD)
417	DATA LINK (+)	551	J1922 DATA LINK (+)	661	J1939 DATA LINK (+)
418	DATA LINK (-)	552	J1922 DATA LINK (-)	662	J1939 DATA LINK (-)
419	CHECK ENGINE LIGHT	A554	BRAKESAVER POWER	699	DIAGNOSTIC POWER
438	WARNING LIGHT	B554	BRAKESAVER POWER	700	FUSE/RELAY POWER
453	ENGINE POWER				

NOTES:

1) SCHEMATIC FOR CATERPILLAR 3406E/3176 ENGINES IN CONVENTIONAL MODELS.

2) ALL PRESSURE SWITCHES SHOWN NOT PRESSURIZED.

3) ALL RELAYS SHOWN NOT ENERGIZED.

4) CLUTCH SWITCH SHOWN WITH CLUTCH ENGAGED (POWER TO THE DRIVE WHEELS.)

5) CONNECT PTO TOGGLE SWITCH IN SERIES WITH THE PARKING BRAKE SWITCH ONLY WHEN SEPARATE SWITCH ON DASH OPTION TO ENGAGE PTO IS REQUIRED.

6) BRAKESAVER AND IDLE TIMER SHUTDOWN OPTIONS CANNOT BE USED TOGETHER.

SERVICE ONLY

E.C.N. NO. 9801586

DATE 12-21-98

BY J.M.WATSON REM

Peterbilt
A DIVISION OF PACCAR

SK24807.FM