

Connector Location		
Connector Number	Schematic Location	Machine Location
CONN 1	F.9	F.1, N.1
CONN 2	A.8	G.7, P.7
CONN 3	B.8	G.8, O.8
CONN 4	F.8	G.8, Q.9
CONN 5	A.7	F.8, N.8
CONN 6	B.7	D.4, O.4
CONN 7	C.7	J.8, O.8
CONN 8	C.7	J.8, O.8
CONN 9	D.7	J.8, O.8
CONN 10	E.7	F.8, Q.8
CONN 11	F.7	G.8, O.8
CONN 12	C.6	H.7, P.7
CONN 13	F.6	G.7, P.7
CONN 14	E.4	F.2, P.7
CONN 15	F.4	F.2, P.7
CONN 16	F.4	F.2, P.7
CONN 17	A.3	G.8, P.8
CONN 18	D.3	F.2, Q.7
CONN 19	D.3	F.2, Q.7
CONN 20	F.3	F.2, Q.7
CONN 21	D.2	D.4, Q.4
CONN 22	E.2	D.4, Q.4
CONN 23	E.2	D.4, Q.4
CONN 24	F.2	F.2, Q.2
CONN 25	B.1	H.2, O.2
CONN 26	F.1	H.2, O.2
CONN 27	F.6	G.7, P.7
CONN 28	B.7	F.8, N.8

The connectors shown in this chart are for harness to harness connections. Connectors that join a harness to a component are generally located at or near the component. See the Component Location Chart.

Related Electrical Service Manuals		
Title	Form Number	Form Number
Alternator	8N-099	SENRT507
Electric Starting Motor	8T-043	SENRS90
Power Train Control		SENRS44
Starting and Charging		SENRS247
Fire Suppression System		SENRS234

Wire Description					
Wire Number	Wire Color	Description	Number	Wire Color	Description
101	RD	Belt Lvl	816	GY	Blower Motor (Hi)
102	BU	Hi Lvl	816	GN	Blower Motor (Medium)
103	YL	Dome/Dash Lamp/Park, Tail Lamp	817	BU	Blower Motor (Low)
105	BR	Key Sw	818	OR	Hazard Flasher to Switch
106	WH	Main Power Relay/Inlet	819	PK	Thermostat to Dryer Pressure Switch
107	WH	Engine Shutdown	820	WH	Opv A/C Switch to Thermostat
108	BU	Misc Wiper, Dome Lamp, Cigar Lighter	821	YL	A/C SW To Refrigerant SW
109	OR	All Output (1) Term	822	WH	A/C Compressor To Thermostat Switch
110	GN	Windshield Wiper Sw. (Right)	823	BR	Windshield Wiper - Left (Low)
111	YL	Windshield Wiper Sw. (Left)	824	BU	Windshield Wiper - Left (Low)
112	PU	Main Power Relay Output	825	GY	Windshield Wiper - Left (Hi)
113	OR	Opv Man Panel R/L Switched	826	YL	Windshield Wiper - Right (Low)
114	GN	Warning Horn (Forward)	827	GN	Windshield Wiper - Right (Low)
115	PK	Flood Lamp (Front)	828	PK	Windshield Wiper - Right (Hi)
116	BR	Flood Lamp (Rear)	829	WH	Windshield Washer - Left
117	YL	Flood Lamp (Side)	830	OR	Windshield Washer - Right
118	GY	Windshield Wiper Sw. (Front)	831	WH	Fire Warning Horn
119	PK	Windshield Wiper Sw. (Rear)	832	WH	Fire Warning Lamp
120	YL	Converter (24V to 12V)	833	OR	Heat Sensor/Fuel Switch
121	YL	Backup Alarm Lamp/Travel Alarm Timer	834	WH	Heat Sensor/Fuel Switch
122	BU	Air Dryer	835	BU	Travel Alarm Timer Pressure Switch
123	WH	Gauges	836	OR	Travel Alarm Timer Manual Override
124	GN	A/C	837	OR	Turn Signal Switch to Flasher
125	OR	Fuel Transfer Pump	838	BR	Hazard Indicator
126	PK	Transmission Control	839	BU	Turn Signal Indicator Base/Right
127	OR	Cab Flood Lamp	840	WH	Turn Signal Indicator Left
128	PK	Aux Oil	841	GN	Aux Oil
129	BU	Aux Oil	842	BU	Accessory 2
130	GN	Stop Lamp			
131	BR	Fire Control - Operator Warning			
132	PK	Antislap Control			
133	OR	Programmed Electronic Eng Cont Solenoid			
134	PK	Programmed Electronic Eng Cont Logic			
135	BU	Alt/M/R Radio			
136	GN	Supplemental Steering			
137	RD	Steering Motor Indicator			
138	GN	Automatic Lube Pump			
141	PK	Autolub Heater			
146	GY	Accessory Switch 1			
147	PU	Accessory Switch 2			
148	WH	A/C Switch			
153	WH	3 P/T Hitch Control			
154	WH	A/C			
172	GN	Hazard Flash to Flasher			
174	PK	Customer Aid On			
175	PK	Trailer Turn/Hazard			
176	OR	Crackcase Guard - Pump Motor			
177	OR	Main Breaker			
178	OR	Main Breaker			
179	GN	Main Breaker			
200	BK	Main Chassis			
201	BK	Operator Monitor Panel			
203	BK	Chassis Diagnostic			
209	BK	Fire Suppression System			
301	BU	Starter No. 1 Solenoid to Restor			
302	OR	Starter No. 1 Diag/Res to Diagnostic			
304	WH	Starter Relay No. 1 Output			
306	GN	Starter Relay Coil/Neutral Start Switch			
307	OR	Key Switch to Neutral Start Switch			
308	YL	Main Power Relay Coil			
310	PU	Ether Switch to Ether Solenoid			
311	WH	Ether Solenoid to Temperature Switch			
312	PK	Starter No. 2 Solenoid to Restor			
313	GY	Starter No. 2 Diag/Res to Diagnostic			
314	PU	Starter Relay No. 2 Output			
320	OR	Horn Relay Coil to Switch			
321	BR	Bkup Alarm			
322	GY	Warning Horn (Forward)			
323	WH	Fuel Transfer Pump Power			
324	BU	Differential Lock Solenoid			
325	PK	Fuel Pump Relay Oil Pressure Switch			
326	PU	Key Switch "C" Terminal			
327	PK	Shutdown Solenoid			
328	OR	Shutdown Module "OH"			
400	GN	Solenoid Switch			
403	GN	Alternator (R) Terminal			
404	YL	Operator Man Panel Hydraulic Oil Temp			
405	GY	Operator Man Panel Oil Press. (Low Setting)			
406	PU	Operator Man Panel Coolant Temperature			
407	PK	Operator Man Panel Conv/Retarder Oil Temp			
408	WH	Operator Man Panel Brake Pressure (Air)			
409	OR	Operator Man Panel Heater			
410	WH	Operator Man Panel Action Alarm			
411	PK	Operator Man Panel Fuel Pressure			
412	BU	Operator Man Panel Coolant Lamp			
413	PK	Operator Man Panel Fuel Pressure			
414	PK	Operator Man Panel Low Fuel			
415	GN	Operator Man Panel Test Switch			
416	OR	Secondary Steering Switch			
417	GY	Operator Man Panel Oil Press. (High Setting)			
418	YL	Operator Man Panel Oil Press. (High Setting)			
419	YL	Operator Man Parking Brake			
420	OR	Opv Man Panel Fuel Filter (Low Accum Press)			
421	BU	Operator Man Panel Fuel Lamp (Scraper)			
422	YL	Operator Man Warning Horn (Scraper)			
423	GY	Operator Man Panel Test Switch (Scraper)			
424	GY	Operator Man Panel P/T Temperature			
425	PK	Operator Man Panel P/T Oil Level			
426	BR	Operator Man Panel P/T Oil Filter			
427	GN	Operator Man Panel P/T Oil Filter Jumper			
428	OR	Operator Man Panel SSM Oil Temperature			
429	YL	Operator Man Panel Brake Oil Temperature			
431	GN	Opv Man Panel Low Transfer Pump Press			
432	PK	Operator Man Panel Brake Pressure (On)			
433	BU	Opv Man Panel Brake Press (Off) Jumper			
434	BU	Operator Man Panel P/T Temp Jumper			
435	YL	Operator Man Panel P/T Temp Jumper			
436	OR	Opv Man Panel Fuel P/T Oil Filter Jumper			
437	BR	Opv Man Panel Fuel Lvl to Fuel Filter Jumper			
438	YL	Operator Man Panel Coolant Temp Jumper			
440	BR	Air Pressure Gauge			
441	OR	Eng Coolant Temp Gauge			
442	GY	Infl System Temp Gauge			
443	YL	Power Train Temp Gauge			
444	BU	Conv/Retarder Oil Temp Gauge (Tractor)			
445	GN	Conv/Retarder Oil Temp Gauge (Scraper)			
446	PU	Brake Oil Temperature Gauge			
447	PK	Fuel Level Gauge			
449	BU	Speedometer Sender (Spain)			
450	YL	Tachometer Sender (1)			
451	BR	Tachometer Sender (1)			
452	PU	Torque Converter			
453	PK	Secondary Steering Fault Lamp			
454	GN	Retarder Indicator Lamp			
455	YL	Converter Temp Switch to Time Delay			
456	BR	Monitor Panel P/T Oil			
457	PK	Monitor Panel Ground Speed Sender			
458	PK	Monitor Panel +V			
459	PK	Monitor Panel Impediment Position			
460	BU	Monitor Panel Program Pin			
463	YL	Sensor Present			
464	GY	Monitor Panel Engine Oil Pressure Sensor			
466	WH	Monitor Panel Steering Oil Temperature			
469	GN	Fuel Level Sender +V			
470	PU	Care Switch Neutral			
500	BR	Windshield Wiper - Front (Park)			
501	GN	Windshield Wiper - Front (Low)			
502	OR	Windshield Wiper - Front (Hi)			
503	BR	Windshield Wiper - Rear (Park)			
504	YL	Windshield Wiper - Rear (Low)			
505	BU	Windshield Wiper - Rear (Hi)			
506	PU	Windshield Washer - Front			
507	WH	Windshield Washer - Rear			
508	PU	Radio Speaker - Left			
509	WH	Radio Speaker - Left (Common)			
510	YL	Windshield Washer - Primer			
511	BR	Radio Speaker - Right			
512	GN	Radio Speaker - Right (Common)			
513	OR	A/C Compressor			
514	PU	A/C Condenser Motor			
515	YL	Blower Motor (Hi)			
516	GN	Blower Motor (Medium)			
517	BU	Blower Motor (Low)			
518	OR	Hazard Flasher to Switch			
519	PK	Thermostat to Dryer Pressure Switch			
520	WH	Opv A/C Switch to Thermostat			
521	YL	A/C SW To Refrigerant SW			
522	WH	A/C Compressor To Thermostat Switch			
523	BR	Windshield Wiper - Left (Low)			
524	BU	Windshield Wiper - Left (Low)			
525	GY	Windshield Wiper - Left (Hi)			
526	YL	Windshield Wiper - Right (Low)			
527	GN	Windshield Wiper - Right (Low)			
528	PK	Windshield Wiper - Right (Hi)			
529	WH	Windshield Washer - Left			
530	OR	Windshield Washer - Right			
531	WH	Fire Warning Horn			
532	WH	Fire Warning Lamp			
533	OR	Heat Sensor/Fuel Switch			
534	WH	Heat Sensor/Fuel Switch			
535	BU	Travel Alarm Timer Pressure Switch			
536	OR	Travel Alarm Timer Manual Override			
537	OR	Turn Signal Switch to Flasher			
538	BR	Hazard Indicator			
539	BU	Turn Signal Indicator Base/Right			
540	WH	Turn Signal Indicator Left			
541	GN	Aux Oil			
542	BU	Accessory 2			
553	YL	Flash Solenoid to Trigger Switch - Dual Till			
554	PK	Motor - Service			
557	YL	Trailer Connector (Left Turn/Hazard)			
558	GN	Programmed Electronic Eng Cont Logic			
567	WH	A/C Switch Jumper			
569	PK	A/C Switch Jumper			
579	BR	A/C Blower Motor #1			
580	OR	A/C Blower Motor #2			
600	BR	Dash Base			
601	GY	Dash High			
602	WH	A/C Switch			
603	PK	Rotary Beacon			
604	OR	Stop			
605	YL	Turn Left			
606	GY	Turn Right			
607	PK	Flood Front			
608	GN	Flood Rear			
609	YL	Flood Side			
610	OR	Head Lamp Base			
611	PU	Head Lamp High			
612	GY	Backup			
613	PK	Linerplate Plate			
614	PU	Park/Tail/Dash			
615	YL	Cab Flood/ROPS			
616	BU	Bucket Flood			
617	BR	Tail/Fus Lamp - Left (Roading Package)			
618	YL	Tail/Fus Lamp - Right (Roading Package)			
619	OR	Head Lamp Low			
620	WH	Flood - Front (Main) (Engine Flood Lamp)			
622	PU	Flood Lamp 3 Way Switch Jumper			
623	BU	Flood Lamp 3 Way Switch Jumper			
624	YL	Flood Lamp Bowl			
626	BR	Flood Lamp			
630	GY	Flood Rear (Attach)			
635	BR	Turn Signal Common			
636	BU	Payload Monitor Rear Light			
638	GN	Payload Monitor Amber Light			
700	PK	Control Circuits			
702	OR	Antislip Test Switch			
703	BU	Transmission Up Solenoid			
704	GY	Transmission Down Solenoid			
705	PK	Transmission Lockup/Clutch Solenoid			
706	BR	Transmission Retarder Switch			
707	PU	Transmission Bed Raise Switch			
708	YL	Transmission Hold Switch			
709	OR	Transmission Release Power			
710	GN	Transmission Speed Pickup Signal			
711	BR	Transmission Lever Code 1			
712	WH	Transmission Lever Code 2			
713	OR	Transmission Lever Code 3			
714	YL	Transmission Lever Code 4			
715	GN	Transmission Lever Code 5			
716	BU	Transmission Lever Code 6			
720	WH	Transmission Brake Switch			
721	BR	Transmission Gear Code 1			
722	WH	Transmission Gear Code 2			
723	OR	Transmission Gear Code 3			
724	YL	Transmission Gear Code 4			
725	GN	Transmission Gear Code 5			
726	BU	Transmission Gear Code 6			
727	GN	Steering Control Switch			
728	BU	Supplemental Steering Control Switch			
733	BR	Switching Gear Code 1 Front			
734	WH	Switching Gear Code 2 Front			
735	OR	Switching Gear Code 3 Front			
736	YL	Switching Gear Code 4 Front			
737	GN	Switching Gear Code 5 Front			
738	BR	Switching Gear Code 1 Rear			
739	WH	Switching Gear Code 2 Rear			
740	OR	Switching Gear Code 3 Rear			
741	YL	Switching Gear Code 4 Rear			
742	GN	Switching Gear Code 5 Rear			
743	PU	Switching Neutral/Run Switch			
744	BU	Switching Up Solenoid			
745	OR	Switching Down Solenoid			
746	PK	Switching Synchronizer Solenoid			
747	WH	Switching No Synchronizer Solenoid			
748	WH	Transmission Lockup/Clutch Solenoid			

