

WIRE GROUP COLOR DESCRIPTIONS

[Red line]	GROUND CIRCUIT
[Blue line]	WIRES THAT HAVE SYSTEM VOLTAGE WHEN THE KEY SWITCH IS OFF
[Green line]	WIRES THAT HAVE SYSTEM VOLTAGE WHEN THE KEY SWITCH IS ON
[Yellow line]	STARTING CIRCUIT
[Orange line]	STARTUP AID CIRCUIT
[Purple line]	MACHINE CONTROL CIRCUIT
[Pink line]	HEATER AND AIR CONDITIONER CIRCUIT
[Light Blue line]	TURNS SIGNALS OFF AND INDICATOR CIRCUIT
[Light Green line]	CAT DATA LINK
[Light Yellow line]	CONNECTION LINE
[Light Purple line]	CONNECTION LINE

OTHER COLOR DESCRIPTIONS

[Blue line]	HIGHWAYS
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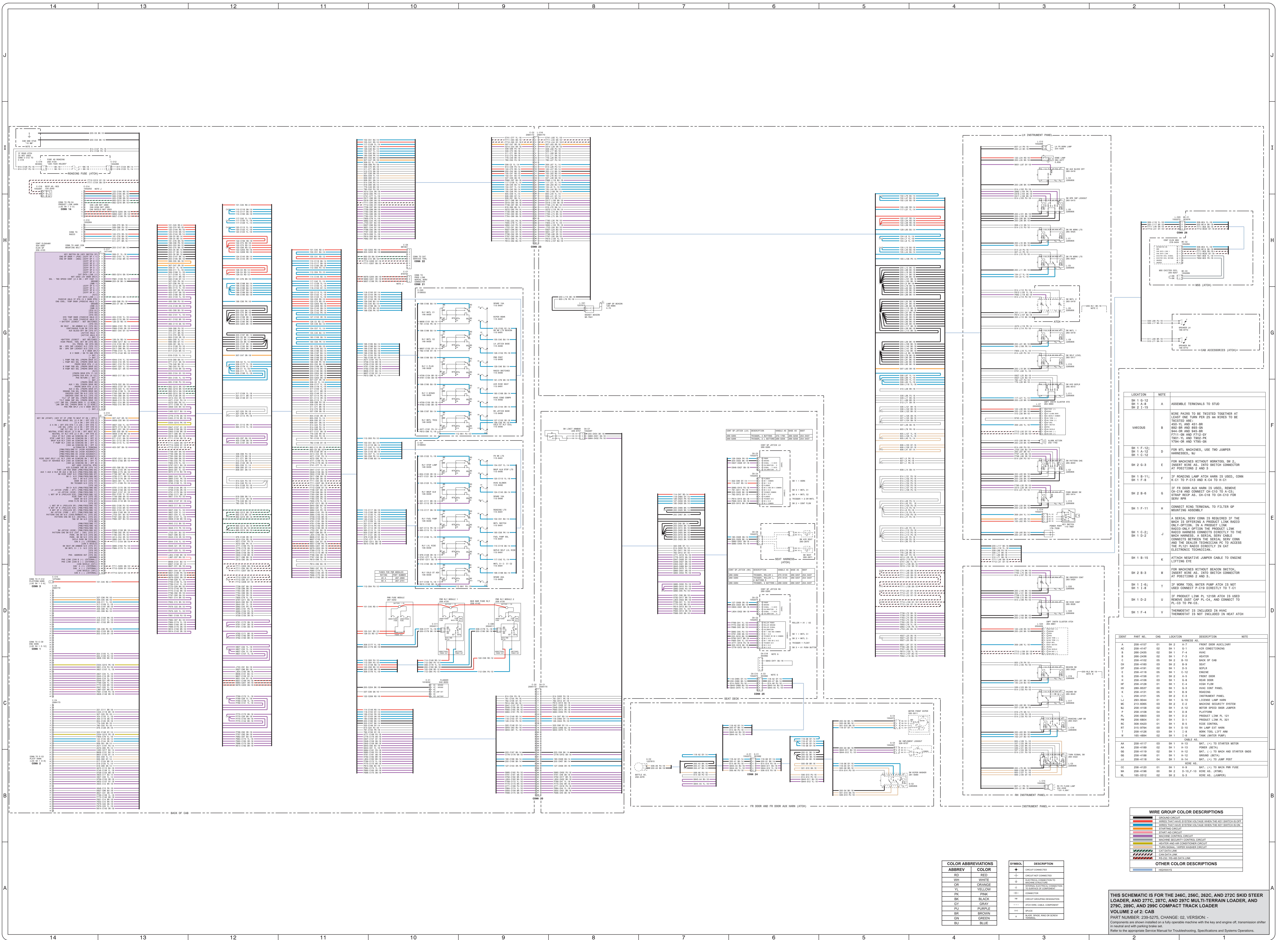
COLOR ABBREVIATIONS

ABBREVIATION	COLOR
RD	RED
WH	WHITE
OR	ORANGE
YL	YELLOW
PK	PINK
BLK	BLACK
GY	GRAY
PU	PURPLE
BR	BROWN
GN	GREEN
BLU	BLUE

SYMBOL DESCRIPTION

SYMBOL	DESCRIPTION
•	CIRCUIT CONNECTED
—	CIRCUIT NOT CONNECTED
⊕	ELECTRICAL CONNECTION TO POSITIVE ELECTRICAL SYSTEM
⊖	ELECTRICAL CONNECTION TO NEGATIVE ELECTRICAL SYSTEM
—	WIRE TO BE CONNECTED TO COMPONENT
—	CONNECTION
—	CIRCUIT GROUPING INDICATION
—	ADDITIONAL CABLE COMPONENT
—	BLACK (WIRE) OR BLACK (TUBING)

THIS SCHEMATIC IS FOR THE 246C, 256C, 262C, AND 272C SKID STEER LOADER, AND 277C, 287C, AND 297C MULTI-TERRAIN LOADER, AND 279C, 289C, AND 299C COMPACT TRACK LOADER
VOLUME 1 of 2: ENGINE
PART NUMBER: 239-5275, CHANGE: 02, VERSION: -
Components are shown installed on a fully operable machine with the key and engine off, transmission in neutral and with parking brake set.
Refer to the appropriate Service Manual for Troubleshooting, Specifications and Systems Operations.



LOCATION	NOTE
SH 1 G-12 SH 1 A-8 SH 2 I-15	A ASSEMBLE TERMINALS TO STUD
VARIOUS	B WIRE PAIRS TO BE TWISTED TOGETHER AT LEAST ONE TURN PER 25 OHM WIRES TO BE TWISTED AND 602-BR AND 605-OR AND 842-OR AND 845-BR FT11-OR AND 2732-OR T201-YL AND T202-BK T791-OR AND T795-OR
SH 1 F-12; SH 1 A-12 SH 1 C-12	D FOR RTI MACHINES, USE TWO JUMPER HORNSSES, 6U
SH 2 G-5	E FOR MACHINES WITHOUT WORKTOOL SH 2, INSERT WIRE AS INTO SWITCH CONNECTOR AT POSITIONS 2 AND 3
SH 1 B-11; SH 1 F-8	F IF HOOD LAMP ATCH HARN IS USED, CONN K-C1 TO F-C19 AND X-C4 TO H-C1
SH 2 B-6	G IF FR DOOR AIR HARN IS USED, REMOVE CH-C18 AND CONNECT CH-C19 TO A-C3; STRAP KEEP AS- CH-C18 TO CH-C19 FOR SERV SPB
SH 1 F-11	H CONNECT RING TERMINAL TO FILTER GP MOUNTING ASSEMBLY
SH 1 C-2; SH 1 D-2	J A SERIAL SERV CONN IS REQUIRED IF THE MACH IS OFFERING A PRODUCT LINK RADIO ONLY OPTION. IS A PRODUCT LINK RADIO HARN CONNECT DIRECTLY TO THE MACH HARN; A SERIAL SERV CABLE CONNECTS BETWEEN THE SERIAL SERV CONN AND THE DEALER TECHNICIAN PG TO ACCESS THE PL-21 RADIO DIRECTLY IN THE ELECTRONIC TECHNICIAN.
SH 1 B-15	K ATTACH NEGATIVE JUMPER CABLE TO ENGINE LIFTING EYE
SH 2 B-3	M FOR MACHINES WITHOUT BEACON SWITCH, INSERT WIRE AS INTO SWITCH CONNECTOR AT POSITIONS 2 AND 3
SH 1 I-6; SH 1 I-8	T IF WORK TOOL WATER PUMP ATCH IS NOT USED CONNECT P-C19 DIRECTLY TO T-C1
SH 1 D-2	U IF PRODUCT LINK PL 1218 ATCH IS USED REMOVE WIRE C/P PL-CA AND CONNECT TO PL-CS TO PM-CS
SH 1 F-4	V THERMOSTAT IS INCLUDED IN WASH THERMOSTAT IS NOT INCLUDED IN HEAT ATCH

IDENT	PART NO.	QTY	LOCATION	DESCRIPTION	NOTE
A	258-4137	01	SH 2	A-7	FRONT DOOR AUXILIARY
B	258-4137	01	SH 1	F-4	AUX CRUISING
C	258-4137	01	SH 1	F-2	WASHER
D	258-4137	01	SH 2	B-10	BACK OF CAB
CP	258-4139	03	SH 2	S-9	SEAT
CP	258-4131	01	SH 1	D-5	SEAT
E	258-4136	01	SH 1	C-12	ENGINE
F	258-4136	01	SH 1	A-5	FRONT DOOR
H	258-4136	01	SH 1	S-8	REAR DOOR
I	258-4138	01	SH 1	S-14	ROCK FLUM
IV	258-8037	01	SH 1	S-3	HAC CONT PANEL
K	258-4131	01	SH 1	S-9	SEAT
L	258-4131	01	SH 2	F-3	INSTRUMENT PANEL
M	258-9004	01	SH 1	A-12	LOCKER LAMP HARN
NC	219-9005	01	SH 2	F-2	MACHINE SECURITY SYSTEM
NV	258-4138	01	SH 1	A-12	LOCKER LAMP HARN
P	258-4138	01	SH 1	D-8	PLATFORM
PL	258-8023	01	SH 1	S-2	PRODUCT LINK PL 121
PR	258-8024	01	SH 1	S-1	PRODUCT LINK PL 201
RC	258-8023	01	SH 1	S-5	SIZE CONTROL
RT	315-9754	01	SH 1	D-10	RH LAMP EXT SWRN
T	258-4126	03	SH 1	S-8	WORK TOOL LEFT AND
U	165-4894	01	SH 1	S-8	TANK (WATER PUMP)
XA	258-4117	03	SH 1	B-13	BAT. (-) TO STARTER MOTOR
YA	258-4190	02	SH 1	H-12	PANNE (DOT)
GB	258-4119	01	SH 1	H-12	BAT. (-) TO WASH AND STARTER WASH
GH	258-4118	01	SH 1	H-14	BRIDGE (WASH)
JJ	258-4118	04	SH 1	H-14	BAT. (-) TO JUMP POST
CC	258-4120	01	SH 1	S-9	BAT. (-) TO MAIN PWR FUSE
WH	258-4186	01	SH 1	S-10-11-10	WIRE AS. (JUMPER)
WL	165-0312	01	SH 2	S-3	WIRE AS. (JUMPER)

WIRE GROUP COLOR DESCRIPTIONS	
(Red line)	GROUND (GROUND)
(Green line)	WIRING THAT PROVIDES SYSTEM VOLTAGE WHEN THE KEY SWITCH IS OFF
(Blue line)	WIRING THAT PROVIDES SYSTEM VOLTAGE WHEN THE KEY SWITCH IS ON
(Purple line)	STARTING CIRCUIT
(Light blue line)	STARTING CIRCUIT (W/STARTER MOTOR)
(Yellow line)	MACHINE CONTROL CIRCUIT
(Light green line)	MACHINE SECURITY CONTROL CIRCUIT
(Pink line)	HEATER AND AIR CONDITIONER CIRCUIT
(Light purple line)	W/PLUG IN/LOCAL W/EVER WIRING CIRCUIT
(Dark purple line)	CAT DATA LINK
(Light grey line)	CONNECTION
(Dark grey line)	RS-232 RS-485 DATA LINK
(White line)	RESERVED

OTHER COLOR DESCRIPTIONS	
(Blue symbol)	CONNECTED
(White symbol)	CONNECT NOT CONNECTED
(Red symbol)	ELECTRICAL CONNECTION TO WIRELESS (W/IR)
(Green symbol)	WIRING TO COMPONENT
(Yellow symbol)	WIRING TO COMPONENT
(Pink symbol)	WIRING TO COMPONENT
(Purple symbol)	WIRING TO COMPONENT
(Light blue symbol)	WIRING TO COMPONENT
(Light green symbol)	WIRING TO COMPONENT
(Dark green symbol)	WIRING TO COMPONENT
(Light purple symbol)	WIRING TO COMPONENT
(Dark purple symbol)	WIRING TO COMPONENT

COLOR ABBREVIATIONS	ABBREVIATION	COLOR
RD	RED	RED
WH	WHITE	WHITE
OR	ORANGE	ORANGE
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BK	BLACK	BLACK
GY	GRAY	GRAY
PUR	PURPLE	PURPLE
BR	BROWN	BROWN
GN	GREEN	GREEN
BL	BLUE	BLUE

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VOLUME 2 of 2: CAB
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