



ABBREV	COLOR
RD	RED
OR	ORANGE
YL	YELLOW
PK	PINK
BLK	BLACK
GY	GRAY
PUR	PURPLE
BR	BROWN
GN	GREEN
BLU	BLUE

SYMBOL	DESCRIPTION
(+)	BATTERY SWITCHED
(-)	BATTERY SWITCHED
(/)	STARTING CIRCUIT
(-)	IGNITE
(-)	(BATTERY) SENSOR RETURN
(-)	SENSOR / ACTUATOR SUPPLY
(-)	SIGNAL (POSITIVE) FROM ECM
(-)	SIGNAL (NEGATIVE) FROM ECM
(-)	CONTROL (POSITIVE) FROM ECM
(-)	CONTROL (NEGATIVE) FROM ECM
(-)	J1939 DATA LINK
(-)	CABLE ASSEMBLY
(-)	HIWAYS

IDENT LOCATION	PART NUMBER	QTY	DESCRIPTION	
A	311-8141	00	MAIN ENGINE HARNESS	
A	312-0967	00	EXTENDED MAIN ENGINE HARNESS	
A	297-5531	00	MAIN ENGINE HARNESS (EARLY PRODUCTION)	
A	292-7095	01	MAIN ENGINE HARNESS (EARLY PRODUCTION)	
A	286-8221	01	MAIN ENGINE HARNESS (EARLY PRODUCTION)	
E	312-0969	00	350 HP RV MAIN ENGINE HARNESS (EARLY PROD.)	
E	312-0969	00	350 HP RV MAIN ENGINE HARNESS (EARLY PROD.)	
J	299-4169	01	INTERNAL ENGINE HARNESS	
F	296-3000	00	INTERNAL ENGINE HARNESS (EARLY PRODUCTION)	
F	296-1089	00	INTERNAL ENGINE HARNESS (EARLY PRODUCTION)	
GF	311-8151	00	SPEED/TIMING JUMPER	
GF	312-8344	00	SHORTENED SPEED/TIMING JUMPER	
G	C-1	305-1487	01	INLET AIR HEATER CABLE
AR	C-3	311-8146	00	STD. RIGHT HARNESS
AR	C-3	314-2830	00	BEVY RIGHT HARNESS
AR	C-3	314-5054	00	BBFE RIGHT HARNESS
AR	C-3	298-6127	00	STD. RIGHT HARNESS (EARLY PRODUCTION)
AR	C-3	292-7095	00	STD. RIGHT HARNESS (EARLY PRODUCTION)
AR	C-7	286-8225	00	STD. RIGHT HARNESS (EARLY PRODUCTION)
AR	C-7	312-0969	00	350 HP RV RIGHT HARNESS (EARLY PROD.)
AR	C-7	298-6979	00	350 HP RV RIGHT HARNESS (EARLY PROD.)
F	C-7	312-0969	00	DPF JUMPER HARNESS
F	E-2	105-9344	00	DEM 8 PIN TO 8 PIN JUMPER

NOTE A: MUST BE TWISTED TOGETHER AT LEAST 1 TURN PER 25mm.
NOTE B: TURBO SPEED JUMPER NOT NECESSARY ON ALL ENGINES.
DASHED FOOT INDICATES AN ATTACHMENT COMPONENT OR HARNESS.

THIS SCHEMATIC IS FOR THE C7 (2007) ON HIGHWAY ENGINE:
Standard, Ford, FCCV RV, & Remote Mounted ECM
PART NUMBER: 270-9415, CHANGE: 09, VERSION: -

Components are shown installed on a fully operable machine.
Refer to the appropriate Service Manual for Troubleshooting, Specifications and Systems Operations.