

Jahan Compressor

Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
719	22	3	Amber	Warning	Extended Crankcase Blow-by Pressure Circuit - Voltage Above Normal, or Shorted to High Source
729	22	4	Amber	Warning	Extended Crankcase Blow-by Pressure Circuit - Voltage Below Normal, or Shorted to Low Source
1228	27	2	Amber	Warning	EGR Valve Position - Data Erratic, Intermittent, or Incorrect
2271	27	3	Amber	Warning	EGR Valve Position Circuit - Voltage Above Normal, or Shorted to High Source
2272	27	4	Amber	Warning	EGR Valve Position Circuit - Voltage Below Normal, or Shorted to Low Source
2348	27	13	Amber	Warning	EGR Valve Position Circuit - Out of Calibration
1625	27	16	Amber	Warning	EGR Valve Position - Data Valid but Above Normal Operational Range - Moderately Severe Level
149	29	2	Amber	Warning	Accelerator Pedal Position 2 - Data Erratic, Intermittent, or Incorrect
1439	38	18	Amber	Warning	Fuel Level 2 (Day Tank) Low - Data Valid but Below Normal Operational Range - Moderately Severe Level
218	46	2	Amber	Warning	Vehicle Wet Tank Supply Pressure - Data Erratic, Intermittent, or Incorrect
216	46	3	Amber	Warning	Vehicle Wet Tank Supply Pressure Circuit - Voltage Above Normal, or Shorted to High Source
217	46	4	Amber	Warning	Vehicle Wet Tank Supply Pressure Circuit - Voltage Below Normal, or Shorted to Low Source
774	46	5	Amber	Warning	Vehicle Wet Tank Supply Pressure Circuit - Current Below Normal, or Open Circuit
775	46	17	Maintenance	Maintenance	Vehicle Wet Tank Supply Pressure - Data Valid but Below Normal Operational Range - Least Severe Level
776	46	18	Amber	Warning	Vehicle Wet Tank Supply Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
2519	51	2	Red	Stop / Shutdown	Throttle Position Sensor - Data Erratic, Intermittent, or Incorrect
512	51	3	Amber	Warning	Throttle Position 1 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
513	51	4	Amber	Warning	Throttle Position 1 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2189	51	7	Amber	Warning	Throttle Plate Leaking - Mechanical System Not Responding Properly or Out of Adjustment
2618	51	8	Amber	Warning	Throttle Position Sensor Circuit - Abnormal Frequency, Pulse Width, or Period
2114	52	0	Red	Stop / Shutdown	Coolant Temperature 2 - Data Valid but Above Normal Operational Range - Most Severe Level
2111	52	3	Amber	Warning	Coolant Temperature 2 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2112	52	4	Amber	Warning	Coolant Temperature 2 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2113	52	16	Amber	Warning	Coolant Temperature 2 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2762	70	2	Amber	Warning	Parking Brake Switch - Data Erratic, Intermittent, or Incorrect
2754	81	16	Amber	Warning	Engine Particulate Trap Inlet Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
2516	82	1	Red	Stop / Shutdown	Air Start Pressure - Data Valid but Below Normal Operational Range - Most Severe Level
737	82	3	Amber	Warning	Air Start Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
736	82	4	Amber	Warning	Air Start Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
738	82	18	Amber	Warning	Air Start Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
2291	84	0	Red	Stop / Shutdown	Wheel-Based Vehicle Speed - Data Valid but Above Normal Operational Range - Most Severe Level
241	84	2	Amber	Warning	Wheel-Based Vehicle Speed - Data Erratic, Intermittent, or Incorrect
242	84	10	Amber	Warning	Wheel-Based Vehicle Speed Sensor Circuit tampering has been detected - Abnormal Rate of Change
764	84	12	Amber	Warning	Wheel-Based Vehicle Speed Sensor - Bad Intelligent Device or Component
1892	84	18	Amber	Warning	Wheel-Based Vehicle Speed - Data Valid but Below Normal Operational Range - Moderately Severe Level
2716	86	13	Amber	Warning	Cruise Control Set Speed - Out of Calibration
148	91	0	Red	Stop / Shutdown	Accelerator Pedal or Lever Position Sensor 1 - Data Valid but Above Normal Operational Range - Most Severe Level
147	91	1	Red	Stop / Shutdown	Accelerator Pedal or Lever Position 1 Sensor Circuit Frequency - Data Valid but Below Normal Operational Range - Most Severe Level
1513	91	1	Amber	Warning	Accelerator Pedal or Lever Position Sensor 1 Circuit Frequency - Data Valid but Below Normal Operational Range - Most Severe Level
1242	91	2	Red	Stop / Shutdown	Accelerator Pedal or Lever Position Sensor 1 and 2 - Data Erratic, Intermittent, or Incorrect
131	91	3	Red	Stop / Shutdown	Accelerator Pedal or Lever Position Sensor 1 Circuit - Voltage Above Normal, or Shorted to High Source
1358	91	3	Amber	Warning	Accelerator Pedal or Lever Position Sensor 1 Circuit - Voltage Above Normal, or Shorted to High Source
132	91	4	Red	Stop / Shutdown	Accelerator Pedal or Lever Position Sensor 1 Circuit - Voltage Below Normal, or Shorted to Low Source
1359	91	4	Amber	Warning	Accelerator Pedal or Lever Position Sensor 1 Circuit - Voltage Below Normal, or Shorted to Low Source

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1514	91	8	Amber	Warning	Accelerator Pedal or Lever Position Sensor 1 Circuit Frequency - Abnormal Frequency, Pulse Width, or Period
287	91	19	Amber	Warning	SAE J1939 Multiplexed Accelerator Pedal or Lever Sensor System - Received Network Data In Error
1515	91	19	Red	Stop / Shutdown	SAE J1939 Multiplexed Accelerator Pedal or Lever Sensor System - Received Network Data In Error
1888	91	19	Maintenance	Maintenance	SAE J1939 Multiplexed Accelerator Pedal or Lever Sensor System - Received Network Data In Error
528	93	2	Amber	Warning	Auxiliary Alternate Torque Validation Switch - Data Erratic, Intermittent, or Incorrect
268	94	2	Amber	Warning	Fuel Delivery Pressure - Data Erratic, Intermittent, or Incorrect
546	94	3	Amber	Warning	Fuel Delivery Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
547	94	4	Amber	Warning	Fuel Delivery Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
456	94	10	Amber	Warning	Fuel Delivery Pressure - Abnormal Rate of Change
2259	94	13	Amber	Warning	Fuel Pump Delivery Pressure - Out of Calibration
2294	94	14	Amber	Warning	High Fuel Rail Pressure Detected After Shutdown - Special Instructions
2261	94	15	Maintenance	Maintenance	Fuel Pump Delivery Pressure - Data Valid but Above Normal Operational Range - Least Severe Level
2216	94	16	Amber	Warning	Fuel Pump Delivery Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
2262	94	17	Maintenance	Maintenance	Fuel Pump Delivery Pressure - Data Valid but Below Normal Operational Range - Least Severe Level
482	94	18	None	None	Engine Fuel Delivery Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
2215	94	18	Amber	Warning	Fuel Pump Delivery Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
1423	94	31	Amber	Warning	Fuel Pump Diagnostic has detected an error - Condition Exists
2344	95	2	Amber	Warning	Fuel Filter Differential Pressure - Data Erratic, Intermittent, or Incorrect
2343	95	15	Maintenance	Maintenance	Fuel Filter Differential Pressure - Data Valid but Above Normal Operational Range - Least Severe Level
2372	95	16	Amber	Warning	Fuel Filter Differential Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
2224	96	2	Amber	Warning	Fuel Level (Main Tank) - Data Erratic, Intermittent, or Incorrect
2222	96	3	Amber	Warning	Fuel Level (Main Tank) Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2223	96	4	Amber	Warning	Fuel Level (Main Tank) Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1441	96	18	Amber	Warning	Fuel Level(Main Tank) - Data Valid but Below Normal Operational Range - Moderately Severe Level
2575	96	31	Red	Stop / Shutdown	Fuel Leak - Condition Exists
2399	97	2	Amber	Warning	Water in Fuel Indicator - Data Erratic, Intermittent, or Incorrect
428	97	3	Amber	Warning	Water in Fuel Indicator Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1845	97	3	Maintenance	Maintenance	Water in Fuel Indicator Sensor Circuit - Voltage Above Normal, or Shorted to High Source
429	97	4	Amber	Warning	Water in Fuel Indicator Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1846	97	4	Maintenance	Maintenance	Water in Fuel Indicator Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
418	97	15	Maintenance	Maintenance	Water in Fuel Indicator - Data Valid but Above Normal Operational Range - Least Severe Level
1852	97	16	Amber	Warning	Water in Fuel Indicator - Data Valid but Above Normal Operational Range - Moderately Severe Level
688	98	0	Red	Stop / Shutdown	Engine Oil Level - Data Valid but Above Normal Operational Range - Most Severe Level
253	98	1	Red	Stop / Shutdown	Engine Oil Level - Data Valid but Below Normal Operational Range - Most Severe Level
252	98	2	Amber	Warning	Engine Oil Level - Data Erratic, Intermittent, or Incorrect
498	98	3	Amber	Warning	Engine Oil Level Sensor Circuit - Voltage Above Normal, or Shorted to High Source
499	98	4	Amber	Warning	Engine Oil Level Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
326	98	16	Amber	Warning	Engine Oil Level - Data Valid but Above Normal Operational Range - Moderately Severe Level
471	98	17	Maintenance	Maintenance	Engine Oil Level - Data Valid but Below Normal Operational Range - Least Severe Level
2553	98	18	Amber	Warning	Engine Oil Level - Data Valid but Below Normal Operational Range - Moderately Severe Level
612	99	1	Red	Stop / Shutdown	Engine Oil Filter Differential Pressure - Data Valid but Below Normal Operational Range - Most Severe Level
481	99	16	None	None	Oil Filter Restriction High - Data Valid but Above Normal Operational Range - Moderately Severe Level
1362	99	16	Amber	Warning	Engine Oil Filter Differential Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
415	100	1	Red	Stop / Shutdown	Engine Oil Rifle Pressure - Data Valid but Below Normal Operational Range - Most Severe Level
435	100	2	Amber	Warning	Engine Oil Rifle Pressure - Data Erratic, Intermittent, or Incorrect
135	100	3	Amber	Warning	Engine Oil Rifle Pressure 1 Sensor Circuit - Voltage Above Normal, or Shorted to High Source

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141	100	4	Amber	Warning	Engine Oil Rifle Pressure 1 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
188	100	11	Red	Stop / Shutdown	Oil Pressure Gauge Circuit - Root Cause Not Known
142	100	16	Amber	Warning	Engine Oil Rifle Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
143	100	18	Amber	Warning	Engine Oil Rifle Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
556	101	0	Red	Stop / Shutdown	Crankcase Pressure - Data Valid but Above Normal Operational Range - Most Severe Level
1942	101	2	Amber	Warning	Crankcase Pressure - Data Erratic, Intermittent, or Incorrect
1843	101	3	Amber	Warning	Crankcase Pressure Circuit - Voltage Above Normal, or Shorted to High Source
1844	101	4	Amber	Warning	Crankcase Pressure Circuit - Voltage Below Normal, or Shorted to Low Source
1974	101	15	Maintenance	Maintenance	Crankcase Pressure - Data Valid but Above Normal Operational Range - Least Severe Level
555	101	16	Amber	Warning	Crankcase Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
2973	102	2	Amber	Warning	Intake Manifold 1 Pressure - Data Erratic, Intermittent, or Incorrect
122	102	3	Amber	Warning	Intake Manifold 1 Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1383	102	3	Maintenance	Maintenance	Intake Manifold 1 Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
123	102	4	Amber	Warning	Intake Manifold 1 Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1384	102	4	Maintenance	Maintenance	Intake Manifold 1 Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
124	102	16	Amber	Warning	Intake Manifold 1 Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
1363	102	17	Maintenance	Maintenance	Intake Manifold 1 Pressure - Data Valid but Below Normal Operational Range - Least Severe Level
125	102	18	Amber	Warning	Intake Manifold 1 Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
2191	102	31	Amber	Warning	Intake Manifold Absolute Pressure Sensor disagrees with the Compressor Outlet Pressure Sensor - Condition Exists
686	103	2	Amber	Warning	Turbocharger 1 Speed - Data Erratic, Intermittent, or Incorrect
2474	103	2	Maintenance	Maintenance	Turbocharger 1 Speed - Data Erratic, Intermittent, or Incorrect
593	103	3	Amber	Warning	Turbocharger Speed Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1374	103	3	Maintenance	Maintenance	Turbocharger Speed Sensor Circuit - Voltage Above Normal, or Shorted to High Source
594	103	4	Amber	Warning	Turbocharger Speed Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1375	103	4	Maintenance	Maintenance	Turbocharger Speed Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2345	103	10	Amber	Warning	Turbocharger 1 Speed - Abnormal Rate of Change
2288	103	15	None	None	Turbocharger 1 Speed - Data Valid but Above Normal Operational Range - Least Severe Level
595	103	16	Amber	Warning	Turbocharger 1 Speed - Data Valid but Above Normal Operational Range - Moderately Severe Level
687	103	18	Amber	Warning	Turbocharger 1 Speed - Data Valid but Below Normal Operational Range - Moderately Severe Level
155	105	0	Red	Stop / Shutdown	Intake Manifold 1 Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
436	105	2	Amber	Warning	Intake Manifold 1 Temperature - Data Erratic, Intermittent, or Incorrect
153	105	3	Amber	Warning	Intake Manifold 1 Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
154	105	4	Amber	Warning	Intake Manifold 1 Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
783	105	10	Red	Stop / Shutdown	Intake Manifold 1 Temperature - Abnormal Rate of Change
1848	105	10	Amber	Warning	Intake Manifold 1 Temperature - Abnormal Rate of Change
2176	105	15	Maintenance	Maintenance	Intake Manifold 1 Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
2964	105	15	None	None	Intake Manifold 1 Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
488	105	16	Amber	Warning	Intake Manifold 1 Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
354	106	3	Amber	Warning	Intake Manifold Pressure 1 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
355	106	4	Amber	Warning	Intake Manifold Pressure 1 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
495	108	1	Red	Stop / Shutdown	Barometric Air Pressure - Data Valid but Below Normal Operational Range - Most Severe Level
295	108	2	Amber	Warning	Barometric Pressure - Data Erratic, Intermittent, or Incorrect
221	108	3	Amber	Warning	Barometric Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
222	108	4	Amber	Warning	Barometric Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
494	108	18	Amber	Warning	Barometric Air Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
228	109	1	Red	Stop / Shutdown	Coolant Pressure - Data Valid but Below Normal Operational Range - Most Severe Level

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229	109	2	Amber	Warning	Coolant Pressure - Data Erratic, Intermittent, or Incorrect
231	109	3	Amber	Warning	Coolant Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
232	109	4	Amber	Warning	Coolant Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
233	109	18	Amber	Warning	Coolant Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
151	110	0	Red	Stop / Shutdown	Engine Coolant Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
334	110	2	Amber	Warning	Engine Coolant Temperature - Data Erratic, Intermittent, or Incorrect
144	110	3	Amber	Warning	Engine Coolant Temperature 1 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
145	110	4	Amber	Warning	Engine Coolant Temperature 1 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
189	110	11	Red	Stop / Shutdown	Coolant Temperature Gauge Circuit - Root Cause Not Known
1847	110	14	Red	Stop / Shutdown	Engine Coolant Temperature - Special Instructions
2963	110	15	None	None	Engine Coolant Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
146	110	16	Amber	Warning	Engine Coolant Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
152	110	17	Maintenance	Maintenance	Engine Coolant Temperature - Data Valid but Below Normal Operational Range - Least Severe Level
2646	110	31	Amber	Warning	Engine Coolant Temperature - Condition Exists
2659	110	31	None	None	Engine Coolant Temperature - Condition Exists
235	111	1	Red	Stop / Shutdown	Coolant Level - Data Valid but Below Normal Operational Range - Most Severe Level
422	111	2	Amber	Warning	Coolant Level - Data Erratic, Intermittent, or Incorrect
195	111	3	Amber	Warning	Coolant Level Sensor 1 Circuit - Voltage Above Normal, or Shorted to High Source
196	111	4	Amber	Warning	Coolant Level Sensor 1 Circuit - Voltage Below Normal, or Shorted to Low Source
2193	111	16	Amber	Warning	Coolant Level - Data Valid but Above Normal Operational Range - Moderately Severe Level
2448	111	17	Maintenance	Maintenance	Coolant Level - Data Valid but Below Normal Operational Range - Least Severe Level
197	111	18	Amber	Warning	Coolant Level - Data Valid but Below Normal Operational Range - Moderately Severe Level
524	113	2	Amber	Warning	Auxiliary Alternate Droop Switch Validation - Data Erratic, Intermittent, or Incorrect
2417	115	2	Amber	Warning	Alternator Current - Data Erratic, Intermittent, or Incorrect
2561	127	1	Red	Stop / Shutdown	Transmission (or Gearbox) Oil Pressure - Data Valid but Below Normal Operational Range - Most Severe Level
1214	127	3	Amber	Warning	Transmission Oil Pressure Circuit - Voltage Above Normal, or Shorted to High Source
1199	127	4	Amber	Warning	Transmission Oil Pressure Circuit - Voltage Below Normal, or Shorted to Low Source
358	132	2	Amber	Warning	Mass Air Flow - Data Erratic, Intermittent, or Incorrect
356	132	3	Amber	Warning	Mass Air Flow 1 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
357	132	4	Amber	Warning	Mass Air Flow 1 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2633	132	8	Amber	Warning	Mass Air Flow 1 Sensor Circuit - Abnormal Frequency, Pulse Width, or Period
1868	132	31	Amber	Warning	Mass Air Flow 1 Sensor Autozero Failure - Condition Exists
2228	135	0	Red	Stop / Shutdown	Fuel Delivery Pressure 1 - Data Valid but Above Normal Operational Range - Most Severe Level
118	135	3	Amber	Warning	Fuel Delivery Pressure 1 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
119	135	4	Amber	Warning	Fuel Delivery Pressure 1 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2118	135	16	Amber	Warning	Fuel Delivery Pressure 1 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2119	135	18	Amber	Warning	Fuel Delivery Pressure 1 - Data Valid but Below Normal Operational Range - Moderately Severe Level
423	156	2	Amber	Warning	Injector Timing Rail 1 Fuel Pressure - Data Erratic, Intermittent, or Incorrect
116	156	3	Red	Stop / Shutdown	Injector Timing Rail 1 Fuel Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
548	156	3	Amber	Warning	Injector Timing Rail 1 Fuel Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
117	156	4	Red	Stop / Shutdown	Injector Timing Rail 1 Fuel Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
549	156	4	Amber	Warning	Injector Timing Rail 1 Fuel Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
457	156	10	Amber	Warning	Injector Timing Rail 1 Fuel Pressure - Abnormal Rate of Change
449	157	0	Red	Stop / Shutdown	Injector Metering Rail 1 Pressure - Data Valid but Above Normal Operational Range - Most Severe Level
1911	157	0	Amber	Warning	Injector Metering Rail 1 Pressure - Data Valid but Above Normal Operational Range - Most Severe Level
2249	157	1	Amber	Warning	Injector Metering Rail 1 Pressure - Data Valid but Below Normal Operational Range - Most Severe Level

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554	157	2	Amber	Warning	Injector Metering Rail 1 Pressure - Data Erratic, Intermittent, or Incorrect
2299	157	2	None	None	Injector Metering Rail 1 Pressure - Data Erratic, Intermittent, or Incorrect
451	157	3	Amber	Warning	Injector Metering Rail 1 Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
452	157	4	Amber	Warning	Injector Metering Rail 1 Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
755	157	7	Amber	Warning	Injector Metering Rail 1 Pressure - Mechanical System Not Responding Properly or Out of Adjustment
553	157	16	Amber	Warning	Injector Metering Rail 1 Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
2552	157	16	Red	Stop / Shutdown	Injector Metering Rail 1 Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
559	157	18	Amber	Warning	Injector Metering Rail 1 Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
1419	157	31	Amber	Warning	Fuel Rail Diagnostic has detected an error - Condition Exists
586	158	3	Red	Stop / Shutdown	Keyswitch Circuit - Voltage Above Normal, or Shorted to High Source
587	158	4	Red	Stop / Shutdown	Keyswitch Circuit - Voltage Below Normal, or Shorted to Low Source
1147	158	11	Amber	Warning	Keyswitch Relay Driver Circuit - Root Cause Not Known
2545	158	31	Red	Stop / Shutdown	Keyswitch Reset Required - Condition Exists
2546	158	31	None	None	Keyswitch Reset - Condition Exists
2568	159	0	Red	Stop / Shutdown	Gas Supply Pressure (Regulated) - Data Valid but Above Normal Operational Range - Most Severe Level
2569	159	1	Red	Stop / Shutdown	Gas Supply Pressure (Regulated) - Data Valid but Below Normal Operational Range - Most Severe Level
1839	159	3	Amber	Warning	Gas Supply (Regulated) Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1841	159	4	Amber	Warning	Gas Supply (Regulated) Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2724	159	16	Amber	Warning	Gas Supply Pressure (Regulated) - Data Valid but Above Normal Operational Range - Moderately Severe Level
2725	159	18	Amber	Warning	Gas Supply Pressure (Regulated) - Data Valid but Below Normal Operational Range - Moderately Severe Level
951	166	2	None	None	Cylinder Power Imbalance Between Cylinders - Data Erratic, Intermittent, or Incorrect
598	167	1	Red	Stop / Shutdown	Electrical Charging System Voltage - Data Valid but Below Normal Operational Range - Most Severe Level
596	167	16	Amber	Warning	Electrical Charging System Voltage - Data Valid but Above Normal Operational Range - Moderately Severe Level
2267	167	17	Maintenance	Maintenance	Electrical Charging System Voltage - Data Valid but Below Normal Operational Range - Least Severe Level
597	167	18	Amber	Warning	Electrical Charging System Voltage - Data Valid but Below Normal Operational Range - Moderately Severe Level
1443	168	1	Red	Stop / Shutdown	Battery 1 Voltage - Data Valid but Below Normal Operational Range - Most Severe Level
442	168	16	Amber	Warning	Battery 1 Voltage - Data Valid but Above Normal Operational Range - Moderately Severe Level
1442	168	17	Maintenance	Maintenance	Battery 1 Voltage - Data Valid but Below Normal Operational Range - Least Severe Level
441	168	18	Amber	Warning	Battery 1 Voltage - Data Valid but Below Normal Operational Range - Moderately Severe Level
9119	168	18	Amber	Warning	Fuel Control Module Battery 1 Voltage - Data Valid but Below Normal Operational Range - Moderately Severe Level
2398	171	2	Amber	Warning	Ambient Air Temperature - Data Erratic, Intermittent, or Incorrect
249	171	3	Amber	Warning	Ambient Air Temperature Sensor 1 Circuit - Voltage Above Normal, or Shorted to High Source
256	171	4	Amber	Warning	Ambient Air Temperature Sensor 1 Circuit - Voltage Below Normal, or Shorted to Low Source
2696	171	16	Amber	Warning	Ambient Air Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
267	171	18	Amber	Warning	Ambient Air Temperature - Data Valid but Below Normal Operational Range - Moderately Severe Level
2737	173	0	Red	Stop / Shutdown	Exhaust Gas Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
246	173	3	Amber	Warning	Exhaust Gas Temperature Sensor 1 Circuit - Voltage Above Normal, or Shorted to High Source
2735	173	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor 1 Circuit - Voltage Above Normal, or Shorted to High Source
247	173	4	Amber	Warning	Exhaust Gas Temperature Sensor 1 Circuit - Voltage Below Normal, or Shorted to Low Source
2736	173	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor 1 Circuit - Voltage Below Normal, or Shorted to Low Source
248	173	16	Amber	Warning	Exhaust Gas Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
266	174	0	Red	Stop / Shutdown	Engine Fuel Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
535	174	2	Amber	Warning	Engine Fuel Temperature - Data Erratic, Intermittent, or Incorrect
263	174	3	Amber	Warning	Engine Fuel Temperature Sensor 1 Circuit - Voltage Above Normal, or Shorted to High Source
265	174	4	Amber	Warning	Engine Fuel Temperature Sensor 1 Circuit - Voltage Below Normal, or Shorted to Low Source
264	174	11	Amber	Warning	Engine Fuel Temperature Sensor 1 Circuit - Root Cause Not Known

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261	174	16	Amber	Warning	Engine Fuel Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
262	174	18	Amber	Warning	Engine Fuel Temperature - Data Valid but Below Normal Operational Range - Moderately Severe Level
214	175	0	Red	Stop / Shutdown	Engine Oil Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
215	175	1	Red	Stop / Shutdown	Engine Oil Temperature - Data Valid but Below Normal Operational Range - Most Severe Level
425	175	2	Amber	Warning	Engine Oil Temperature - Data Erratic, Intermittent, or Incorrect
212	175	3	Amber	Warning	Engine Oil Temperature Sensor 1 Circuit - Voltage Above Normal, or Shorted to High Source
213	175	4	Amber	Warning	Engine Oil Temperature Sensor 1 Circuit - Voltage Below Normal, or Shorted to Low Source
421	175	16	Amber	Warning	Engine Oil Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
2196	175	18	Amber	Warning	Engine Oil Temperature - Data Valid but Below Normal Operational Range - Moderately Severe Level
1824	175	31	Amber	Warning	Engine Oil Temperature Sensor 1 Circuit, Too Cold for High Idle - Condition Exists
2562	177	0	Red	Stop / Shutdown	Transmission (or Gearbox) Oil Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
1182	177	2	None	None	Transmission Oil Temperature - Data Erratic, Intermittent, or Incorrect
521	177	3	Amber	Warning	Transmission Oil Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1197	177	3	None	None	Transmission Oil Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
522	177	4	Amber	Warning	Transmission Oil Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1198	177	4	None	None	Transmission Oil Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
327	183	16	Amber	Warning	Fuel Consumption Rate - Data Valid but Above Normal Operational Range - Moderately Severe Level
759	187	3	Amber	Warning	Variable PTO Sensor Circuit - Voltage Above Normal, or Shorted to High Source
761	187	4	Amber	Warning	Variable PTO Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
234	190	0	Red	Stop / Shutdown	Engine Crankshaft Speed/Position - Data Valid but Above Normal Operational Range - Most Severe Level
689	190	2	Amber	Warning	Engine Crankshaft Speed/Position - Data Erratic, Intermittent, or Incorrect
2321	190	2	None	None	Engine Crankshaft Speed/Position - Data Erratic, Intermittent, or Incorrect
1793	190	7	Amber	Warning	Engine Crankshaft Speed/Position Mismatch Between ECMS - Mechanical System Not Responding Properly or Out of Adjustment
121	190	10	Amber	Warning	Engine Magnetic Crankshaft Speed/Position lost one of two signals - Abnormal Rate of Change
2199	190	10	None	None	Engine Speed Crank sync - Abnormal Rate of Change
1821	190	11	Red	Stop / Shutdown	Engine Crankshaft Speed/Position, Very low Engine Speed Detected When Engine is Supposed to be Running - Root Cause Not Known
1516	190	15	Maintenance	Maintenance	Engine Crankshaft Speed/Position - Data Valid but Above Normal Operational Range - Least Severe Level
1992	190	16	Red	Stop / Shutdown	Engine Crankshaft Speed/Position - Data Valid but Above Normal Operational Range - Moderately Severe Level
2468	190	16	Amber	Warning	Engine Crankshaft Speed/Position - Data Valid but Above Normal Operational Range - Moderately Severe Level
1546	190	31	Amber	Warning	Engine Crankshaft Speed/Position Lost - Condition Exists
1179	191	2	Amber	Warning	Transmission Output Shaft Speed - Data Erratic, Intermittent, or Incorrect
349	191	16	Amber	Warning	Transmission Output Shaft Speed - Data Valid but Above Normal Operational Range - Moderately Severe Level
489	191	18	Amber	Warning	Transmission Output Shaft Speed - Data Valid but Below Normal Operational Range - Moderately Severe Level
319	251	2	Maintenance	Maintenance	Real Time Clock Power Interrupt - Data Erratic, Intermittent, or Incorrect
1689	251	2	Amber	Warning	Real Time Clock Power Interrupt - Data Erratic, Intermittent, or Incorrect
1866	411	2	Amber	Warning	Exhaust Gas Recirculation Valve Delta Pressure - Data Erratic, Intermittent, or Incorrect
2273	411	3	Amber	Warning	Exhaust Gas Recirculation Valve Delta Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2274	411	4	Amber	Warning	Exhaust Gas Recirculation Valve Delta Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2359	411	16	Amber	Warning	Exhaust Gas Recirculation Valve Delta Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
1899	411	18	Amber	Warning	Exhaust Gas Recirculation Valve Delta Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
1857	411	31	Amber	Warning	Exhaust Gas Recirculation Valve Delta Pressure Sensor Autozero Failure - Condition Exists
2753	412	0	Red	Stop / Shutdown	Exhaust Gas Recirculation Temperature - Data Valid but Above Normal Operational Range - Most Severe Level

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
1867	412	2	Amber	Warning	Exhaust Gas Recirculation Temperature - Data Erratic, Intermittent, or Incorrect
2375	412	3	Amber	Warning	Exhaust Gas Recirculation Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2376	412	4	Amber	Warning	Exhaust Gas Recirculation Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2961	412	15	None	None	Exhaust Gas Recirculation Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
2962	412	16	Amber	Warning	Exhaust Gas Recirculation Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
293	441	3	Amber	Warning	Auxiliary Temperature Sensor Input 1 Circuit - Voltage Above Normal, or Shorted to High Source
1369	441	3	Maintenance	Maintenance	Auxiliary Temperature Sensor Input 1 Circuit - Voltage Above Normal, or Shorted to High Source
294	441	4	Amber	Warning	Auxiliary Temperature Sensor Input 1 Circuit - Voltage Below Normal, or Shorted to Low Source
1596	441	4	Maintenance	Maintenance	Auxiliary Temperature Sensor Input 1 Circuit - Voltage Below Normal, or Shorted to Low Source
2197	441	11	Amber	Warning	Auxiliary Temperature Sensor Input 1 Circuit - Root Cause Not Known
292	441	14	Red	Stop / Shutdown	Auxiliary Temperature Sensor Input 1 - Special Instructions
1381	441	14	Maintenance	Maintenance	Auxiliary Temperature Sensor Input 1 - Special Instructions
1716	441	15	None	None	Auxiliary Temperature Sensor Input 1 Circuit - Data Valid but Above Normal Operational Range - Least Severe Level
478	444	16	Amber	Warning	Battery 2 Voltage - Data Valid but Above Normal Operational Range - Moderately Severe Level
477	444	18	Amber	Warning	Battery 2 Voltage - Data Valid but Below Normal Operational Range - Moderately Severe Level
243	513	4	Amber	Warning	Engine Brake Actuator Driver Circuit - Voltage Below Normal, or Shorted to Low Source
431	558	2	Amber	Warning	Accelerator Pedal or Lever Idle Validation Switch - Data Erratic, Intermittent, or Incorrect
551	558	4	Amber	Warning	Accelerator Pedal or Lever Idle Validation 1 Circuit - Voltage Below Normal, or Shorted to Low Source
432	558	13	Red	Stop / Shutdown	Accelerator Pedal or Lever Idle Validation Circuit - Out of Calibration
2697	558	13	Maintenance	Maintenance	Accelerator Pedal or Lever Idle Validation Circuit - Out of Calibration
289	593	11	Amber	Warning	Idle Shutdown Vehicle Accessories Relay Driver Circuit - Root Cause Not Known
769	597	3	Amber	Warning	Brake Switch Circuit - Voltage Above Normal, or Shorted to High Source
771	597	4	Amber	Warning	Brake Switch Circuit - Voltage Below Normal, or Shorted to Low Source
2721	599	2	Amber	Warning	Cruise Control Set Switch - Data Erratic, Intermittent, or Incorrect
192	605	2	Amber	Warning	Refrigerant High Pressure Switch - Data Erratic, Intermittent, or Incorrect
2225	605	3	Amber	Warning	Refrigerant High Pressure Switch Circuit - Voltage Above Normal, or Shorted to High Source
2226	605	4	Amber	Warning	Refrigerant High Pressure Switch Circuit - Voltage Below Normal, or Shorted to Low Source
412	608	2	None	None	SAEJ1587/J1922 Datalink - Data Erratic, Intermittent, or Incorrect
414	608	9	None	None	SAEJ1587/J1922 Datalink - Abnormal Update Rate
9114	609	2	Amber	Warning	Fuel Control Module - Data Erratic, Intermittent, or Incorrect
9117	609	12	Red	Stop / Shutdown	Fuel Control Module - Bad Intelligent Device or Component
1234	611	1	Red	Stop / Shutdown	Water Pump Differential Pressure - Data Valid but Below Normal Operational Range - Most Severe Level
523	611	2	Amber	Warning	Auxiliary Intermediate (PTO) Speed Switch Validation - Data Erratic, Intermittent, or Incorrect
9113	611	2	Red	Stop / Shutdown	Engine ECM to PCC Controller Communication - Data Erratic, Intermittent, or Incorrect
1322	611	3	Red	Stop / Shutdown	Analog Input signal circuit for Load Govern kW Setpoint - Voltage Above Normal, or Shorted to High Source
1324	611	3	Amber	Warning	Analog Input signal circuit for Load Govern kVAR Setpoint - Voltage Above Normal, or Shorted to High Source
1333	611	3	Amber	Warning	'Off / Manual / Auto' switch circuit - Voltage Above Normal, or Shorted to High Source
739	611	4	Amber	Warning	Blowby Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1323	611	4	Red	Stop / Shutdown	Analog Input signal circuit for Load Govern kW Setpoint - Voltage Below Normal, or Shorted to Low Source
1325	611	4	Amber	Warning	Analog Input signal circuit for Load Govern kVAR Setpoint - Voltage Below Normal, or Shorted to Low Source
1332	611	4	Amber	Warning	'Off / Manual / Auto' switch circuit - Voltage Below Normal, or Shorted to Low Source
1486	611	5	Red	Stop / Shutdown	Electronic Fuel Control Driver Diagnostic has detected an Open circuit condition - Current Below Normal, or Open Circuit
2455	611	5	Amber	Warning	External Governor Speed or Frequency Bias - Current Below Normal, or Open Circuit
1485	611	6	Red	Stop / Shutdown	Electronic Fuel Control Driver Diagnostic has detected a Grounded circuit condition - Current Above Normal, or Grounded Circuit
2456	611	6	Amber	Warning	External Governor Speed or Frequency Bias - Current Above Normal, or Grounded Circuit

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
417	611	7	Amber	Warning	Oil Filter Bypass Valve - Mechanical System Not Responding Properly or Out of Adjustment
544	611	7	Amber	Warning	Top 2 Auxiliary System Diagnostic Autoshift - Mechanical System Not Responding Properly or Out of Adjustment
615	611	11	Amber	Warning	Non Zero Engine Speed at Power Up - Root Cause Not Known
1113	611	11	Amber	Warning	Source 1 Transfer Switch failed to close - Root Cause Not Known
1115	611	11	Amber	Warning	Transfer Switch failed to charge - Root Cause Not Known
1121	611	11	Amber	Warning	Transfer Switch failed to open/disconnect - Root Cause Not Known
1125	611	11	Amber	Warning	Transfer Switch common alarm - Root Cause Not Known
943	611	12	Red	Stop / Shutdown	Ignition Control Module 3 - Bad Intelligent Device or Component
944	611	12	Red	Stop / Shutdown	Ignition Control Module 4 - Bad Intelligent Device or Component
1413	611	12	Red	Stop / Shutdown	Controller Configuration Error - Bad Intelligent Device or Component
2292	611	16	Amber	Warning	Fuel Inlet Meter Device - Data Valid but Above Normal Operational Range - Moderately Severe Level
2293	611	18	Amber	Warning	Fuel Inlet Meter Device flow demand lower than expected - Data Valid but Below Normal Operational Range - Moderately Severe Level
446	611	31	Amber	Warning	GSP Communication Failure - Condition Exists
447	611	31	Amber	Warning	RPC number not Supported - Condition Exists
448	611	31	Amber	Warning	RPC Argument Mismatch - Condition Exists
1243	611	31	Amber	Warning	Engine Derate - Condition Exists
1246	611	31	Amber	Warning	Unrecognized Engine Fault - Condition Exists
1248	611	31	Amber	Warning	Engine Warning - Condition Exists
1327	611	31	Red	Stop / Shutdown	Analog Input signal for Load Govern kW Setpoint is set outside of acceptable working limits - Condition Exists
1334	611	31	Red	Stop / Shutdown	Critical Scalar out-of-range - Condition Exists
1335	611	31	Amber	Warning	Non-Critical Scalar out-of-range - Condition Exists
1342	611	31	Red	Stop / Shutdown	Fuel System Board (Slot 0) is missing, and or has not been installed correctly - Condition Exists
1343	611	31	Red	Stop / Shutdown	Base Board (Slot 1) is missing, and or has not been installed correctly - Condition Exists
1344	611	31	Red	Stop / Shutdown	Generator Interface Board (Slot 2) is missing, and or has not been installed correctly - Condition Exists
1345	611	31	Red	Stop / Shutdown	Paralleling Board (Slot 3) is missing, and or has not been installed correctly - Condition Exists
1346	611	31	Red	Stop / Shutdown	LonWorks Board (Slot 4) is missing, and or has not been installed correctly - Condition Exists
1347	611	31	Red	Stop / Shutdown	Slot 5 Board is missing, and or has not been installed correctly - Condition Exists
1348	611	31	Red	Stop / Shutdown	Slot 6 Board is missing, and or has not been installed correctly - Condition Exists
1349	611	31	Red	Stop / Shutdown	Slot 7 Board is missing, and or has not been installed correctly - Condition Exists
1351	611	31	Amber	Warning	LonWorks Board (Slot 4) is missing - Condition Exists
1414	611	31	Amber	Warning	Run Relay Driver Contact Diagnostic has detected an error - Condition Exists
1426	611	31	Amber	Warning	Common Warning Relay Driver Diagnostic has detected an error - Condition Exists
1433	611	31	Red	Stop / Shutdown	Operator Interface Mode Transition to Emergency Stop (due to E-Stop) - Condition Exists
1434	611	31	Red	Stop / Shutdown	Operator Interface Mode Transition to Emergency Stop (due to Remote E-Stop) - Condition Exists
1437	611	31	Red	Stop / Shutdown	Emergency Stop Path Fuse Blown - Condition Exists
1463	611	31	None	None	Generator announces to the Lonworks network that the Generator control switch is not in Auto - Condition Exists
1464	611	31	None	None	Due to an Overload or Underfrequency the Generator announces to the Lonworks network that a Load Dump has occurred - Condition Exists
1465	611	31	None	None	Generator announces to the Lonworks network that it is ready to accept a load - Condition Exists
1466	611	31	Amber	Warning	Modem Failure - Condition Exists
1467	611	31	None	None	Unable to complete remote connection via the Modem - Condition Exists
1468	611	31	Amber	Warning	Lonworks Network Failure - Condition Exists
1475	611	31	Amber	Warning	Permission to connect to a closed bus has not been received in the required time - Condition Exists
1476	611	31	Amber	Warning	ECM base board is not responding to the Lonworks board - Condition Exists
1477	611	31	Amber	Warning	Crank Relay Driver Contact Diagnostic has detected an error - Condition Exists

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
1478	611	31	Amber	Warning	Crank Relay Driver Diagnostic has detected an error - Condition Exists
1479	611	31	Amber	Warning	Fail to Start Relay Driver Diagnostic has detected an error - Condition Exists
1483	611	31	None	None	Generator Set Fault Code has not been acknowledged - Condition Exists
1487	611	31	Amber	Warning	'Not in Auto' LED Driver Diagnostic has detected an error - Condition Exists
1488	611	31	Amber	Warning	'Warning' LED Driver Diagnostic has detected an error - Condition Exists
1491	611	31	Amber	Warning	'Ready to Load' Output Relay Driver Diagnostic has detected an error - Condition Exists
1492	611	31	Amber	Warning	'Load Dump' Output Relay Driver Diagnostic has detected an error - Condition Exists
1493	611	31	Amber	Warning	Operator Interface Panel Power Relay Driver Diagnostic has detected an error - Condition Exists
1494	611	31	Amber	Warning	Modem Power Relay Driver Diagnostic has detected an error - Condition Exists
1496	611	31	Amber	Warning	'Run B+' Output Relay Driver Diagnostic has detected an error - Condition Exists
1497	611	31	Amber	Warning	'Manual Run/Stop' LED Driver Diagnostic has detected an error - Condition Exists
1498	611	31	Amber	Warning	'Exercise' LED Driver Diagnostic has detected an error - Condition Exists
1499	611	31	Amber	Warning	'Remote Start' LED Driver Diagnostic has detected an error - Condition Exists
2218	611	31	Amber	Warning	Sudden Vehicle Speed Deceleration - Condition Exists
2297	611	31	Amber	Warning	Priming Pump Driver Diagnostic has detected an error - Condition Exists
2327	611	31	None	None	Automatic Main Utility Module Status - Condition Exists
2333	611	31	None	None	Generator Set Connected to Load - Condition Exists
2334	611	31	None	None	Power Transferred From Utility to Genset - Condition Exists
2335	611	31	None	None	Loss of AC Phase Voltage Sensing - Condition Exists
2336	611	31	None	None	Controller Checksums Differ From Calibration Download - Condition Exists
2337	611	31	None	None	AMF Board is Present But Not Enabled - Condition Exists
2338	611	31	None	None	AMF Board is Not Present But Enabled - Condition Exists
2339	611	31	None	None	Power Down Mode Function is Enabled, but the Automatic Main Utility Module and/or the Lonworks board is unavailable - Condition Exists
2342	611	31	None	None	Genset in Idle Mode Too Long - Condition Exists
2965	611	31	None	None	Genset available for loading pending transfer time delay. - Condition Exists
2966	611	31	None	None	AMF Board not responding - Condition Exists
2967	611	31	None	None	Governor drive circuitry detects a fault - Condition Exists
2968	611	31	None	None	AVR hardware detects a fault - Condition Exists
2969	611	31	None	None	No communication with Lon Works board - Condition Exists
2971	611	31	None	None	AMF Self Test - Condition Exists
2972	611	31	None	None	AVR Field at Max Field Limit for a time greater than Max Field Time - Condition Exists
115	612	2	Red	Stop / Shutdown	Engine Magnetic Speed/Position Lost Both of Two Signals - Data Erratic, Intermittent, or Incorrect
445	620	3	Amber	Warning	Auxiliary Switch Supply - Voltage Above Normal, or Shorted to High Source
411	622	3	None	None	SAEJ1922 Datalink - Voltage Above Normal, or Shorted to High Source
413	622	9	None	None	SAEJ1922 Datalink - Abnormal Update Rate
2315	623	3	Amber	Warning	Red Stop Lamp Driver Circuit - Voltage Above Normal, or Shorted to High Source
244	623	4	Amber	Warning	Red Stop Lamp Driver Circuit - Voltage Below Normal, or Shorted to Low Source
2316	624	3	Amber	Warning	Amber Warning Lamp Driver Circuit - Voltage Above Normal, or Shorted to High Source
2317	624	4	Amber	Warning	Amber Warning Lamp Driver Circuit - Voltage Below Normal, or Shorted to Low Source
1633	625	2	Amber	Warning	Komnet Datalink Cannot Transmit - Data Erratic, Intermittent, or Incorrect
291	625	9	Red	Stop / Shutdown	Proprietary Datalink Error (OEM/Vehicle Datalink) - Abnormal Update Rate
2361	625	9	Amber	Warning	Proprietary Datalink Error - Abnormal Update Rate
2738	626	3	Amber	Warning	Start Enable Device 1 Circuit (Ether Injection) - Voltage Above Normal, or Shorted to High Source
2739	626	4	Amber	Warning	Start Enable Device 1Circuit (Ether Injection) - Voltage Below Normal, or Shorted to Low Source
381	626	11	Amber	Warning	Intake Air Heater (Relay Enable) 2 Circuit - Root Cause Not Known

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
1373	626	11	Maintenance	Maintenance	Start Enable Device 1 Circuit (Ether Injection) - Root Cause Not Known
384	626	12	Amber	Warning	Start Enable Device 1 Circuit (Ether Injection) - Bad Intelligent Device or Component
2734	626	17	None	None	Start Enable Device 1 Canister Empty (Ether Injection) - Data Valid but Below Normal Operational Range - Least Severe Level
487	626	18	Amber	Warning	Start Enable Device 1 Canister Empty (Ether Injection) - Data Valid but Below Normal Operational Range - Moderately Severe Level
434	627	2	Amber	Warning	Power Supply Lost With Ignition On - Data Erratic, Intermittent, or Incorrect
1117	627	2	None	None	Power Supply Lost With Ignition On - Data Erratic, Intermittent, or Incorrect
9118	627	2	Amber	Warning	Fuel Control Module Power Lost With Ignition On - Data Erratic, Intermittent, or Incorrect
351	627	12	Amber	Warning	Injector Power Supply - Bad Intelligent Device or Component
525	629	3	Red	Stop / Shutdown	Engine Control Module Not Calibrated - Voltage Above Normal, or Shorted to High Source
111	629	12	Red	Stop / Shutdown	Engine Control Module Critical Internal Failure - Bad Intelligent Device or Component
343	629	12	Amber	Warning	Engine Control Module Warning Internal Hardware Failure - Bad Intelligent Device or Component
1116	629	12	Amber	Warning	Engine Control Module Critical Internal Failure - Bad Intelligent Device or Component
1388	629	12	None	None	Engine Control Module Data Lost - Bad Intelligent Device or Component
1597	629	12	Maintenance	Maintenance	Engine Control Module Critical Internal Failure - Bad Intelligent Device or Component
2661	629	31	Red	Stop / Shutdown	At Least One Unacknowledged Most Severe Fault - Condition Exists
2662	629	31	Amber	Warning	At Least One Unacknowledged Moderately Severe Fault - Condition Exists
346	630	12	Amber	Warning	Engine Control Module Calibration Memory Software - Bad Intelligent Device or Component
342	630	13	Red	Stop / Shutdown	Electronic Calibration Code Incompatibility - Out of Calibration
9116	630	13	Red	Stop / Shutdown	Electronic Calibration Memory Code - Out of Calibration
2217	630	31	Amber	Warning	Engine Control Module Calibration Program Memory (RAM) Corruption - Condition Exists
2564	632	2	Amber	Warning	Engine Fuel Shutoff Valve Driver Circuit - Data Erratic, Intermittent, or Incorrect
255	632	3	Amber	Warning	Engine Fuel Shutoff Valve Driver Circuit - Voltage Above Normal, or Shorted to High Source
254	632	4	Red	Stop / Shutdown	Engine Fuel Shutoff Valve Driver Circuit - Voltage Below Normal, or Shorted to Low Source
258	632	5	Amber	Warning	Engine Fuel Shutoff Valve Driver Circuit - Current Below Normal, or Open Circuit
257	632	7	Amber	Warning	Engine Fuel Shutoff Valve Driver - Mechanical System Not Responding Properly or Out of Adjustment
391	632	11	Amber	Warning	Engine Fuel Shutoff Valve Driver Circuit - Root Cause Not Known
1211	632	11	Red	Stop / Shutdown	Engine Fuel Shutoff Valve Driver Circuit - Root Cause Not Known
1831	632	11	Red	Stop / Shutdown	Engine Fuel Shutoff Valve Feedback Position Does Not Match Desired - Root Cause Not Known
2411	633	2	Amber	Warning	Fuel Injector Control Valve - Data Erratic, Intermittent, or Incorrect
276	633	3	Amber	Warning	Electronic Fuel Injection Control Valve Circuit - Voltage Above Normal, or Shorted to High Source
455	633	3	Red	Stop / Shutdown	Electronic Fuel Injection Control Valve Circuit - Voltage Above Normal, or Shorted to High Source
279	633	4	Amber	Warning	Electronic Fuel Injection Control Valve Circuit - Voltage Below Normal, or Shorted to Low Source
511	633	4	Red	Stop / Shutdown	Electronic Fuel Injection Control Valve Circuit - Voltage Below Normal, or Shorted to Low Source
378	633	5	Amber	Warning	Electronic Fuel Injection Control Valve Circuit - Current Below Normal, or Open Circuit
379	633	6	Amber	Warning	Electronic Fuel Injection Control Valve Circuit - Current Above Normal, or Grounded Circuit
277	633	7	Amber	Warning	Electronic Fuel Injection Control Valve - Mechanical System Not Responding Properly or Out of Adjustment
514	633	7	Red	Stop / Shutdown	Electronic Fuel Injection Control Valve - Mechanical System Not Responding Properly or Out of Adjustment
2184	633	11	Amber	Warning	Electronic Fuel Injection Control Valve Circuit - Root Cause Not Known
2311	633	31	Amber	Warning	Electronic Fuel Injection Control Valve Circuit - Condition Exists
336	634	3	Amber	Warning	Idle Speed Control Valve Circuit - Voltage Above Normal, or Shorted to High Source
337	634	4	Amber	Warning	Idle Speed Control Valve Circuit - Voltage Below Normal, or Shorted to Low Source
467	635	2	Amber	Warning	Engine Timing Actuator Driver - Data Erratic, Intermittent, or Incorrect
113	635	3	Amber	Warning	Engine Timing Actuator Driver Circuit - Voltage Above Normal, or Shorted to High Source
114	635	4	Amber	Warning	Engine Timing Actuator Driver Circuit - Voltage Below Normal, or Shorted to Low Source

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
394	635	5	Amber	Warning	Engine Timing Actuator Driver Circuit - Current Below Normal, or Open Circuit
395	635	6	Amber	Warning	Engine Timing Actuator Driver Circuit - Current Above Normal, or Grounded Circuit
112	635	7	Red	Stop / Shutdown	Engine Timing Actuator Driver Circuit - Mechanical System Not Responding Properly or Out of Adjustment
2312	635	31	Amber	Warning	Timing Actuator Driver Circuit - Condition Exists
171	638	2	Amber	Warning	Fuel Rack Actuator Driver Position - Data Erratic, Intermittent, or Incorrect
168	638	5	Red	Stop / Shutdown	Fuel Rack Actuator Driver Position 1 Circuit - Current Below Normal, or Open Circuit
169	638	6	Amber	Warning	Fuel Rack Actuator Driver Position 1 Circuit - Current Above Normal, or Grounded Circuit
172	638	7	Red	Stop / Shutdown	Fuel Rack Actuator Driver - Mechanical System Not Responding Properly or Out of Adjustment
173	638	18	Amber	Warning	Fuel Rack Actuator Driver Mechanically Stuck Closed - Data Valid but Below Normal Operational Range - Moderately Severe Level
2296	638	31	Amber	Warning	Fuel Rack Actuator Driver Diagnostic has detected an error - Condition Exists
185	639	2	Amber	Warning	SAE J1939 Engine Control Module Network Communication Error - Data Erratic, Intermittent, or Incorrect
426	639	2	None	None	SAE J1939 Datalink - Data Erratic, Intermittent, or Incorrect
285	639	9	Amber	Warning	SAE J1939 Multiplexing PGN Timeout Error - Abnormal Update Rate
427	639	9	None	None	SAE J1939 Datalink - Abnormal Update Rate
286	639	13	Amber	Warning	SAE J1939 Multiplexing Configuration Error - Out of Calibration
599	640	14	Red	Stop / Shutdown	Auxiliary Commanded Dual Output Shutdown - Special Instructions
2385	641	3	Amber	Warning	VGT Actuator Driver Circuit - Voltage Above Normal, or Shorted to High Source
2384	641	4	Amber	Warning	VGT Actuator Driver Circuit - Voltage Below Normal, or Shorted to Low Source
2383	641	5	Amber	Warning	VGT Actuator Driver Circuit - Current Below Normal, or Open Circuit
2386	641	6	Amber	Warning	VGT Actuator Driver Circuit - Current Above Normal, or Grounded Circuit
2387	641	7	Amber	Warning	VGT Actuator Driver Circuit (Motor) - Mechanical System Not Responding Properly or Out of Adjustment
1894	641	9	Amber	Warning	VGT Actuator Driver Circuit - Abnormal Update Rate
2636	641	9	Red	Stop / Shutdown	VGT Actuator Driver Circuit - Abnormal Update Rate
2198	641	11	Amber	Warning	VGT Actuator Driver Circuit - Root Cause Not Known
1897	641	12	Amber	Warning	VGT Actuator Controller - Bad Intelligent Device or Component
2634	641	12	Red	Stop / Shutdown	VGT Actuator Controller - Bad Intelligent Device or Component
1898	641	13	Amber	Warning	VGT Actuator Controller - Out of Calibration
2449	641	13	Red	Stop / Shutdown	VGT Actuator Controller - Out of Calibration
1962	641	15	Amber	Warning	VGT Actuator Driver Over Temperature (Calculated) - Data Valid but Above Normal Operational Range - Least Severe Level
1976	641	15	None	None	VGT Actuator Driver Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
9122	641	15	None	None	VGT Actuator Driver Over Temperature (Calculated) - Data Valid but Above Normal Operational Range - Least Severe Level
1854	641	31	Amber	Warning	VGT Actuator Driver Circuit - Condition Exists
2635	641	31	Red	Stop / Shutdown	VGT Actuator Driver Circuit - Condition Exists
237	644	2	Amber	Warning	External Speed Command Input (Multiple Unit Synchronization) - Data Erratic, Intermittent, or Incorrect
2181	647	3	Red	Stop / Shutdown	Fan Control Signal Circuit - Voltage Above Normal, or Shorted to High Source
2377	647	3	Amber	Warning	Fan Control Circuit - Voltage Above Normal, or Shorted to High Source
245	647	4	Amber	Warning	Fan Control Circuit - Voltage Below Normal, or Shorted to Low Source
389	647	11	Amber	Warning	Fan Control Circuit - Root Cause Not Known
591	648	3	Amber	Warning	Exhaust Back Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
592	648	4	Amber	Warning	Exhaust Back Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2187	648	16	Amber	Warning	Exhaust Back Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
2319	648	18	Amber	Warning	Exhaust Back Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
2389	651	2	Amber	Warning	Injector Solenoid Driver Cylinder 1 - Data Erratic, Intermittent, or Incorrect

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
322	651	5	Amber	Warning	Injector Solenoid Driver Cylinder 1 Circuit - Current Below Normal, or Open Circuit
311	651	6	Amber	Warning	Injector Solenoid Driver Cylinder 1 Circuit - Current Above Normal, or Grounded Circuit
1139	651	7	Amber	Warning	Injector Solenoid Driver Cylinder 1 - Mechanical System Not Responding Properly or Out of Adjustment
2442	651	13	Amber	Warning	Injector Solenoid Driver Cylinder 1 - Out of Calibration
2391	652	2	Amber	Warning	Injector Solenoid Driver Cylinder 2 - Data Erratic, Intermittent, or Incorrect
331	652	5	Amber	Warning	Injector Solenoid Driver Cylinder 2 Circuit - Current Below Normal, or Open Circuit
315	652	6	Amber	Warning	Injector Solenoid Driver Cylinder 2 Circuit - Current Above Normal, or Grounded Circuit
1141	652	7	Amber	Warning	Injector Solenoid Driver Cylinder 2 - Mechanical System Not Responding Properly or Out of Adjustment
2443	652	13	Amber	Warning	Injector Solenoid Driver Cylinder 2 - Out of Calibration
2392	653	2	Amber	Warning	Injector Solenoid Driver Cylinder 3 - Data Erratic, Intermittent, or Incorrect
324	653	5	Amber	Warning	Injector Solenoid Driver Cylinder 3 Circuit - Current Below Normal, or Open Circuit
313	653	6	Amber	Warning	Injector Solenoid Driver Cylinder 3 Circuit - Current Above Normal, or Grounded Circuit
1142	653	7	Amber	Warning	Injector Solenoid Driver Cylinder 3 - Mechanical System Not Responding Properly or Out of Adjustment
2444	653	13	Amber	Warning	Injector Solenoid Driver Cylinder 3 - Out of Calibration
2393	654	2	Amber	Warning	Injector Solenoid Driver Cylinder 4 - Data Erratic, Intermittent, or Incorrect
332	654	5	Amber	Warning	Injector Solenoid Driver Cylinder 4 Circuit - Current Below Normal, or Open Circuit
321	654	6	Amber	Warning	Injector Solenoid Driver Cylinder 4 Circuit - Current Above Normal, or Grounded Circuit
1143	654	7	Amber	Warning	Injector Solenoid Driver Cylinder 4 - Mechanical System Not Responding Properly or Out of Adjustment
2445	654	13	Amber	Warning	Injector Solenoid Driver Cylinder 4 - Out of Calibration
2394	655	2	Amber	Warning	Injector Solenoid Driver Cylinder 5 - Data Erratic, Intermittent, or Incorrect
323	655	5	Amber	Warning	Injector Solenoid Driver Cylinder 5 Circuit - Current Below Normal, or Open Circuit
312	655	6	Amber	Warning	Injector Solenoid Driver Cylinder 5 Circuit - Current Above Normal, or Grounded Circuit
1144	655	7	Amber	Warning	Injector Solenoid Driver Cylinder 5 - Mechanical System Not Responding Properly or Out of Adjustment
2446	655	13	Amber	Warning	Injector Solenoid Driver Cylinder 5 - Out of Calibration
2395	656	2	Amber	Warning	Injector Solenoid Driver Cylinder 6 - Data Erratic, Intermittent, or Incorrect
325	656	5	Amber	Warning	Injector Solenoid Driver Cylinder 6 Circuit - Current Below Normal, or Open Circuit
314	656	6	Amber	Warning	Injector Solenoid Driver Cylinder 6 Circuit - Current Above Normal, or Grounded Circuit
1145	656	7	Amber	Warning	Injector Solenoid Driver Cylinder 6 - Mechanical System Not Responding Properly or Out of Adjustment
2447	656	13	Amber	Warning	Injector Solenoid Driver Cylinder 6 - Out of Calibration
1548	657	5	Amber	Warning	Injector Solenoid Driver Cylinder 7 Circuit - Current Below Normal, or Open Circuit
1623	657	6	Amber	Warning	Injector Solenoid Driver Cylinder 7 Circuit - Current Above Normal, or Grounded Circuit
1549	658	5	Amber	Warning	Injector Solenoid Driver Cylinder 8 Circuit - Current Below Normal, or Open Circuit
1561	658	6	Amber	Warning	Injector Solenoid Driver Cylinder 8 Circuit - Current Above Normal, or Grounded Circuit
1622	659	5	Amber	Warning	Injector Solenoid Driver Cylinder 9 Circuit - Current Below Normal, or Open Circuit
1562	659	6	Amber	Warning	Injector Solenoid Driver Cylinder 9 Circuit - Current Above Normal, or Grounded Circuit
1551	660	5	Amber	Warning	Injector Solenoid Driver Cylinder 10 Circuit - Current Below Normal, or Open Circuit
1563	660	6	Amber	Warning	Injector Solenoid Driver Cylinder 10 Circuit - Current Above Normal, or Grounded Circuit
1552	661	5	Amber	Warning	Injector Solenoid Driver Cylinder 11 Circuit - Current Below Normal, or Open Circuit
1564	661	6	Amber	Warning	Injector Solenoid Driver Cylinder 11 Circuit - Current Above Normal, or Grounded Circuit
1553	662	5	Amber	Warning	Injector Solenoid Driver Cylinder 12 Circuit - Current Below Normal, or Open Circuit
1565	662	6	Amber	Warning	Injector Solenoid Driver Cylinder 12 Circuit - Current Above Normal, or Grounded Circuit
1554	663	5	Amber	Warning	Injector Solenoid Driver Cylinder 13 Circuit - Current Below Normal, or Open Circuit
1566	663	6	Amber	Warning	Injector Solenoid Driver Cylinder 13 Circuit - Current Above Normal, or Grounded Circuit
1555	664	5	Amber	Warning	Injector Solenoid Driver Cylinder 14 Circuit - Current Below Normal, or Open Circuit
1567	664	6	Amber	Warning	Injector Solenoid Driver Cylinder 14 Circuit - Current Above Normal, or Grounded Circuit
1556	665	5	Amber	Warning	Injector Solenoid Driver Cylinder 15 Circuit - Current Below Normal, or Open Circuit

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
1568	665	6	Amber	Warning	Injector Solenoid Driver Cylinder 15 Circuit - Current Above Normal, or Grounded Circuit
1557	666	5	Amber	Warning	Injector Solenoid Driver Cylinder 16 Circuit - Current Below Normal, or Open Circuit
1569	666	6	Amber	Warning	Injector Solenoid Driver Cylinder 16 Circuit - Current Above Normal, or Grounded Circuit
1558	667	5	Amber	Warning	Injector Solenoid Driver Cylinder 17 Circuit - Current Below Normal, or Open Circuit
1624	667	6	Amber	Warning	Injector Solenoid Driver Cylinder 17 Circuit - Current Above Normal, or Grounded Circuit
1559	668	5	Amber	Warning	Injector Solenoid Driver Cylinder 18 Circuit - Current Below Normal, or Open Circuit
1571	668	6	Amber	Warning	Injector Solenoid Driver Cylinder 18 Circuit - Current Above Normal, or Grounded Circuit
186	675	11	Amber	Warning	Wait-to-Start Lamp Driver Circuit - Root Cause Not Known
584	677	3	Amber	Warning	Starter Relay Driver Circuit - Voltage Above Normal, or Shorted to High Source
585	677	4	Amber	Warning	Starter Relay Driver Circuit - Voltage Below Normal, or Shorted to Low Source
2557	697	3	Amber	Warning	Auxiliary PWM Driver 1 Circuit - Voltage Above Normal, or Shorted to High Source
2558	697	4	Amber	Warning	Auxiliary PWM Driver 1 Circuit - Voltage Below Normal, or Shorted to Low Source
526	701	3	Amber	Warning	Auxiliary Input/Output 1 Circuit - Voltage Above Normal, or Shorted to High Source
2619	701	31	Amber	Warning	Auxiliary Input 1 Active - Condition Exists
527	702	3	Amber	Warning	Auxiliary Input/Output 2 Circuit - Voltage Above Normal, or Shorted to High Source
2621	702	31	Amber	Warning	Auxiliary Input 2 Active - Condition Exists
529	703	3	Amber	Warning	Auxiliary Input/Output 3 Circuit - Voltage Above Normal, or Shorted to High Source
779	703	11	Amber	Warning	Auxiliary Equipment Sensor Input 3 - Root Cause Not Known
2195	703	14	Red	Stop / Shutdown	Auxiliary Equipment Sensor Input 3 Engine Protection Critical - Special Instructions
2622	703	31	Amber	Warning	Auxiliary Input 3 Active - Condition Exists
2623	704	31	Amber	Warning	Auxiliary Input 4 Active - Condition Exists
2624	705	31	Amber	Warning	Auxiliary Input 5 Active - Condition Exists
2625	706	31	Amber	Warning	Auxiliary Input 6 Active - Condition Exists
2626	707	31	Amber	Warning	Auxiliary Input 7 Active - Condition Exists
2627	708	31	Amber	Warning	Auxiliary Input 8 Active - Condition Exists
2628	709	31	Amber	Warning	Auxiliary Input 9 Active - Condition Exists
2629	710	31	Amber	Warning	Auxiliary Input 10 Active - Condition Exists
2631	711	31	Amber	Warning	Auxiliary Input 11 Active - Condition Exists
2632	712	31	Amber	Warning	Auxiliary Input 12 Active - Condition Exists
531	717	3	Amber	Warning	Autoshift High Gear Actuator Driver Circuit - Voltage Above Normal, or Shorted to High Source
532	717	4	Amber	Warning	Autoshift High Gear Actuator Driver Circuit - Voltage Below Normal, or Shorted to Low Source
537	717	11	Amber	Warning	Autoshift High Gear Actuator Driver - Root Cause Not Known
533	718	3	Amber	Warning	Autoshift Low Gear Actuator Driver Circuit - Voltage Above Normal, or Shorted to High Source
534	718	4	Amber	Warning	Autoshift Low Gear Actuator Driver Circuit - Voltage Below Normal, or Shorted to Low Source
536	718	11	Amber	Warning	Autoshift Low Gear Actuator Driver - Root Cause Not Known
538	719	11	Amber	Warning	Autoshift Neutral Gear Actuator Driver - Root Cause Not Known
778	723	2	Amber	Warning	Engine Camshaft Speed / Position Sensor - Data Erratic, Intermittent, or Incorrect
1376	723	2	Maintenance	Maintenance	Engine Camshaft Speed / Position Sensor - Data Erratic, Intermittent, or Incorrect
1837	723	2	Red	Stop / Shutdown	Engine Camshaft Speed / Position Sensor - Data Erratic, Intermittent, or Incorrect
2322	723	2	None	None	Engine Camshaft Speed / Position Sensor - Data Erratic, Intermittent, or Incorrect
731	723	7	Amber	Warning	Engine Speed / Position Camshaft and Crankshaft Misalignment - Mechanical System Not Responding Properly or Out of Adjustment
753	723	10	None	None	Engine Camshaft Speed/Position Sensor - Abnormal Rate of Change
1545	723	31	Amber	Warning	Engine Camshaft Speed / Position Sensor Lost - Condition Exists
752	724	2	Amber	Warning	Heated Oxygen Sensor - Data Erratic, Intermittent, or Incorrect
463	724	3	None	None	Engine Heated Oxygen Sensor Circuit - Voltage Above Normal, or Shorted to High Source

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
2188	724	3	Amber	Warning	Heated Oxygen Sensor Circuit - Voltage Above Normal, or Shorted to High Source
464	724	4	None	None	Engine Heated Oxygen Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2192	724	4	Amber	Warning	Heated Oxygen Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2229	724	13	Amber	Warning	Heated Oxygen Sensor Circuit - Out of Calibration
2219	724	16	Amber	Warning	Heated Oxygen Sensor - Data Valid but Above Normal Operational Range - Moderately Severe Level
2221	724	18	Amber	Warning	Heated Oxygen Sensor - Data Valid but Below Normal Operational Range - Moderately Severe Level
461	725	3	Red	Stop / Shutdown	Ignition Control Signal Circuit - Voltage Above Normal, or Shorted to High Source
462	725	4	Red	Stop / Shutdown	Ignition Control Signal Circuit - Voltage Below Normal, or Shorted to Low Source
458	726	3	Red	Stop / Shutdown	Ignition Timing Signal Circuit - Voltage Above Normal, or Shorted to High Source
459	726	4	Red	Stop / Shutdown	Ignition Timing Signal Circuit - Voltage Below Normal, or Shorted to Low Source
2555	729	3	Amber	Warning	Intake Air Heater 1 Circuit - Voltage Above Normal, or Shorted to High Source
2556	729	4	Amber	Warning	Intake Air Heater 1 Circuit - Voltage Below Normal, or Shorted to Low Source
383	729	5	Amber	Warning	Intake Air Heater 1 Circuit - Current Below Normal, or Open Circuit
2426	730	3	Amber	Warning	Intake Air Heater 2 Circuit - Voltage Above Normal, or Shorted to High Source
2425	730	4	Amber	Warning	Intake Air Heater 2 Circuit - Voltage Below Normal, or Shorted to Low Source
1138	730	5	Amber	Warning	Intake Air Heater 2 Circuit - Current Below Normal, or Open Circuit
1185	734	3	Amber	Warning	Transmission Overdrive Solenoid Driver Circuit - Voltage Above Normal, or Shorted to High Source
1186	734	4	Amber	Warning	Transmission Overdrive Solenoid Driver Circuit - Voltage Below Normal, or Shorted to Low Source
1181	777	2	Amber	Warning	Transmission Torque Converter Clutch Solenoid Driver - Data Erratic, Intermittent, or Incorrect
1187	777	3	Amber	Warning	Transmission Torque Converter Clutch Solenoid Driver Circuit - Voltage Above Normal, or Shorted to High Source
2581	854	11	Amber	Warning	Engine Block Heater Circuit Breaker - Root Cause Not Known
2364	854	31	Red	Stop / Shutdown	Engine Cold Start Aid - Condition Exists
768	923	11	Amber	Warning	PWM Output Device Driver - Root Cause Not Known
316	931	3	Amber	Warning	Fuel Supply Pump Actuator Driver Circuit - Voltage Above Normal, or Shorted to High Source
317	931	4	Amber	Warning	Fuel Supply Pump Actuator Driver Circuit - Voltage Below Normal, or Shorted to Low Source
318	931	7	Amber	Warning	Fuel Supply Pump Actuator Driver - Mechanical System Not Responding Properly or Out of Adjustment
278	931	11	Amber	Warning	Fuel Supply Pump Driver Circuit - Root Cause Not Known
133	974	3	Red	Stop / Shutdown	Remote Accelerator Pedal or Lever Position Sensor 1 Circuit - Voltage Above Normal, or Shorted to High Source
1595	974	3	Amber	Warning	Remote Accelerator Pedal or Lever Position Sensor 1 Circuit - Voltage Above Normal, or Shorted to High Source
134	974	4	Red	Stop / Shutdown	Remote Accelerator Pedal or Lever Position Sensor 1 Circuit - Voltage Below Normal, or Shorted to Low Source
1361	974	4	Amber	Warning	Remote Accelerator Pedal or Lever Position Sensor 1 Circuit - Voltage Below Normal, or Shorted to Low Source
288	974	19	Red	Stop / Shutdown	SAE J1939 Multiplexing Remote Accelerator Pedal or Lever Position Sensor System - Received Network Data In Error
1889	974	19	Maintenance	Maintenance	SAE J1939 Multiplexing Remote Accelerator Pedal or Lever Sensor System - Received Network Data In Error
2182	1072	3	Amber	Warning	Engine Brake Actuator Driver 1 Circuit - Voltage Above Normal, or Shorted to High Source
2183	1072	4	Amber	Warning	Engine Brake Actuator Driver 1 Circuit - Voltage Below Normal, or Shorted to Low Source
388	1072	11	Amber	Warning	Engine Brake Actuator Driver 1 Circuit - Root Cause Not Known
2367	1073	3	Amber	Warning	Engine Brake Actuator Driver Output 2 Circuit - Voltage Above Normal, or Shorted to High Source
2363	1073	4	Amber	Warning	Engine Brake Actuator Driver Output 2 Circuit - Voltage Below Normal, or Shorted to Low Source
392	1073	11	Amber	Warning	Engine Brake Actuator Driver Circuit Output 2 - Root Cause Not Known
2371	1074	3	Amber	Warning	Engine (Exhaust) Brake Driver Circuit - Voltage Above Normal, or Shorted to High Source
2369	1074	4	Amber	Warning	Engine (Exhaust) Brake Driver Circuit - Voltage Below Normal, or Shorted to Low Source
2265	1075	3	Amber	Warning	Electric Lift Pump for Engine Fuel Supply Circuit - Voltage Above Normal, or Shorted to High Source
2266	1075	4	Amber	Warning	Electric Lift Pump for Engine Fuel Supply Circuit - Voltage Below Normal, or Shorted to Low Source
361	1076	3	Red	Stop / Shutdown	Fuel Injection Pump Fuel Control Solenoid Driver Circuit - Voltage Above Normal, or Shorted to High Source
362	1076	4	Amber	Warning	Fuel Injection Pump Fuel Control Solenoid Driver Circuit - Voltage Below Normal, or Shorted to Low Source
363	1076	7	Amber	Warning	Fuel Injection Pump Fuel Control Valve - Mechanical System Not Responding Properly or Out of Adjustment

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
517	1076	12	Amber	Warning	Fuel Metering Solenoid Driver - Bad Intelligent Device or Component
493	1076	13	None	None	Fuel Injection Pump Calibration Trim Circuit - Out of Calibration
366	1077	2	Amber	Warning	Fuel Pump Control Module Supply Voltage Circuit - Data Erratic, Intermittent, or Incorrect
373	1077	3	Red	Stop / Shutdown	Fuel Pump Control Module Fuel Shutoff Circuit - Voltage Above Normal, or Shorted to High Source
365	1077	4	Amber	Warning	Fuel Pump Control Module Supply Voltage Circuit - Voltage Below Normal, or Shorted to Low Source
377	1077	7	Amber	Warning	Fuel Pump Control Module Stuck Relay - Mechanical System Not Responding Properly or Out of Adjustment
364	1077	9	Amber	Warning	Fuel Pump Control Module CAN Datalink - Abnormal Update Rate
372	1077	11	Amber	Warning	Fuel Pump Control Module Idle Validation Circuit - Root Cause Not Known
374	1077	12	Amber	Warning	Fuel Pump Control Module Self-Test - Bad Intelligent Device or Component
376	1077	13	Amber	Warning	Fuel Pump Control Module Fueling or Engine Speed Mismatch - Out of Calibration
329	1077	14	Amber	Warning	Fuel Pump Control Module Leakage - Special Instructions
371	1077	31	Amber	Warning	Fuel Pump Control Module, Static Timing Error - Condition Exists
2368	1112	3	Amber	Warning	Engine Brake Actuator Driver 3 Circuit - Voltage Above Normal, or Shorted to High Source
2365	1112	4	Amber	Warning	Engine Brake Actuator Driver Output 3 Circuit - Voltage Below Normal, or Shorted to Low Source
393	1112	11	Amber	Warning	Engine Brake Actuator Driver Driver 3 Circuit - Root Cause Not Known
1947	1122	0	Red	Stop / Shutdown	Generator Alternator Bearing 1 Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
1945	1122	5	Amber	Warning	Generator Alternator Bearing 1 Temperature Circuit - Current Below Normal, or Open Circuit
1946	1122	16	Amber	Warning	Generator Alternator Bearing 1 Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
1949	1123	0	Red	Stop / Shutdown	Generator Alternator Bearing 2 Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
1948	1123	16	Amber	Warning	Generator Alternator Bearing 2 Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
1957	1124	0	Red	Stop / Shutdown	Generator Alternator Winding 1 Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
1319	1124	16	Amber	Warning	Generator Alternator Winding Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
1958	1125	0	Red	Stop / Shutdown	Generator Alternator Winding 2 Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
1955	1125	16	Amber	Warning	Generator Alternator Winding 2 Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
1959	1126	0	Red	Stop / Shutdown	Generator Alternator Winding 3 Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
1956	1126	16	Amber	Warning	Generator Alternator Winding 3 Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
2543	1127	2	Red	Stop / Shutdown	Engine Turbocharger 1 Boost Pressure - Data Erratic, Intermittent, or Incorrect
2517	1127	3	Amber	Warning	Engine Turbocharger 1 Boost Pressure Sensor - Voltage Above Normal, or Shorted to High Source
2518	1127	4	Amber	Warning	Engine Turbocharger 1 Boost Pressure Sensor - Voltage Below Normal, or Shorted to Low Source
1213	1127	16	Red	Stop / Shutdown	Engine Turbocharger 1 Boost Pressure Sensor - Data Valid but Above Normal Operational Range - Moderately Severe Level
1385	1128	3	Maintenance	Maintenance	Intake Manifold 2 Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1636	1128	3	Amber	Warning	Intake Manifold 2 Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1386	1128	4	Maintenance	Maintenance	Intake Manifold 2 Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1637	1128	4	Amber	Warning	Intake Manifold 2 Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1634	1128	16	Amber	Warning	Intake Manifold 2 Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
1638	1128	17	Maintenance	Maintenance	Intake Manifold 2 Pressure - Data Valid but Below Normal Operational Range - Least Severe Level
1635	1128	18	Amber	Warning	Intake Manifold 2 Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
128	1129	3	Amber	Warning	Intake Manifold 3 Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1365	1129	3	Maintenance	Maintenance	Intake Manifold 3 Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
129	1129	4	Amber	Warning	Intake Manifold 3 Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1366	1129	4	Maintenance	Maintenance	Intake Manifold 3 Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
126	1129	16	Amber	Warning	Intake Manifold 3 Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
1364	1129	17	Maintenance	Maintenance	Intake Manifold 3 Pressure - Data Valid but Below Normal Operational Range - Least Severe Level

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
127	1129	18	Amber	Warning	Intake Manifold 3 Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
158	1131	0	Red	Stop / Shutdown	Intake Manifold 2 Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
437	1131	2	Amber	Warning	Intake Manifold 2 Temperature - Data Erratic, Intermittent, or Incorrect
156	1131	3	Amber	Warning	Intake Manifold 2 Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
157	1131	4	Amber	Warning	Intake Manifold 2 Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2157	1131	10	Red	Stop / Shutdown	Intake Manifold 2 Temperature - Abnormal Rate of Change
2177	1131	15	Maintenance	Maintenance	Intake Manifold 2 Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
1762	1131	16	Red	Stop / Shutdown	Intake Manifold 2 Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
1984	1131	16	Amber	Warning	Intake Manifold 2 Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
162	1132	0	Red	Stop / Shutdown	Intake Manifold 3 Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
438	1132	2	Amber	Warning	Intake Manifold 3 Temperature - Data Erratic, Intermittent, or Incorrect
159	1132	3	Amber	Warning	Intake Manifold 3 Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
161	1132	4	Amber	Warning	Intake Manifold 3 Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2158	1132	10	Red	Stop / Shutdown	Intake Manifold 3 Temperature - Abnormal Rate of Change
2178	1132	15	Maintenance	Maintenance	Intake Manifold 3 Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
1985	1132	16	Amber	Warning	Intake Manifold 3 Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
165	1133	0	Red	Stop / Shutdown	Intake Manifold 4 Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
439	1133	2	Amber	Warning	Intake Manifold 4 Temperature - Data Erratic, Intermittent, or Incorrect
163	1133	3	Amber	Warning	Intake Manifold 4 Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
164	1133	4	Amber	Warning	Intake Manifold 4 Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2159	1133	10	Red	Stop / Shutdown	Intake Manifold 4 Temperature - Abnormal Rate of Change
2179	1133	15	Maintenance	Maintenance	Intake Manifold 4 Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
1986	1133	16	Amber	Warning	Intake Manifold 4 Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
2544	1136	0	Red	Stop / Shutdown	ECM Internal Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
699	1136	2	Amber	Warning	ECM Internal Temperature - Data Erratic, Intermittent, or Incorrect
697	1136	3	Amber	Warning	ECM Internal Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
698	1136	4	Amber	Warning	ECM Internal Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2295	1136	15	Maintenance	Maintenance	ECM Internal Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
641	1137	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 1 - Data Valid but Above Normal Operational Range - Most Severe Level
1618	1137	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 1 - Voltage Above Normal, or Shorted to High Source
671	1137	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 1 - Voltage Below Normal, or Shorted to Low Source
2121	1137	16	Amber	Warning	Exhaust Gas Temperature Cylinder 1 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2469	1137	18	Amber	Warning	Exhaust Gas Temperature Cylinder 1 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2484	1137	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 1 Data Valid but Above or Below Normal - Condition Exists
652	1138	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 2 - Data Valid but Above Normal Operational Range - Most Severe Level
1529	1138	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 2 - Voltage Above Normal, or Shorted to High Source
721	1138	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 2 - Voltage Below Normal, or Shorted to Low Source
2131	1138	16	Amber	Warning	Exhaust Gas Temperature Cylinder 2 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2458	1138	18	Amber	Warning	Exhaust Gas Temperature Cylinder 2 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2494	1138	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 2 Data Valid but Above or Below Normal - Condition Exists
642	1139	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 3 - Data Valid but Above Normal Operational Range - Most Severe Level
1521	1139	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 3 - Voltage Above Normal, or Shorted to High Source
672	1139	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 3 - Voltage Below Normal, or Shorted to Low Source
2122	1139	16	Amber	Warning	Exhaust Gas Temperature Cylinder 3 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2471	1139	18	Amber	Warning	Exhaust Gas Temperature Cylinder 3 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2485	1139	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 3 Data Valid but Above or Below Normal - Condition Exists

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
653	1140	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 4 - Data Valid but Above Normal Operational Range - Most Severe Level
1619	1140	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 4 - Voltage Above Normal, or Shorted to High Source
722	1140	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 4 - Voltage Below Normal, or Shorted to Low Source
2132	1140	16	Amber	Warning	Exhaust Gas Temperature Cylinder 4 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2459	1140	18	Amber	Warning	Exhaust Gas Temperature Cylinder 4 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2495	1140	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 4 Data Valid but Above or Below Normal - Condition Exists
643	1141	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 5 - Data Valid but Above Normal Operational Range - Most Severe Level
1522	1141	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 5 - Voltage Above Normal, or Shorted to High Source
673	1141	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 5 - Voltage Below Normal, or Shorted to Low Source
2123	1141	16	Amber	Warning	Exhaust Gas Temperature Cylinder 5 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2472	1141	18	Amber	Warning	Exhaust Gas Temperature Cylinder 5 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2486	1141	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 5 Data Valid but Above or Below Normal - Condition Exists
654	1142	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 6 - Data Valid but Above Normal Operational Range - Most Severe Level
1531	1142	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 6 - Voltage Above Normal, or Shorted to High Source
723	1142	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 6 - Voltage Below Normal, or Shorted to Low Source
2133	1142	16	Amber	Warning	Exhaust Gas Temperature Cylinder 6 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2461	1142	18	Amber	Warning	Exhaust Gas Temperature Cylinder 6 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2496	1142	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 6 Data Valid but Above or Below Normal - Condition Exists
644	1143	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 7 - Data Valid but Above Normal Operational Range - Most Severe Level
1523	1143	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 7 - Voltage Above Normal, or Shorted to High Source
674	1143	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 7 - Voltage Below Normal, or Shorted to Low Source
2124	1143	16	Amber	Warning	Exhaust Gas Temperature Cylinder 7 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2473	1143	18	Amber	Warning	Exhaust Gas Temperature Cylinder 7 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2487	1143	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 7 Data Valid but Above or Below Normal - Condition Exists
655	1144	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 8 - Data Valid but Above Normal Operational Range - Most Severe Level
1532	1144	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 8 - Voltage Above Normal, or Shorted to High Source
724	1144	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 8 - Voltage Below Normal, or Shorted to Low Source
2134	1144	16	Amber	Warning	Exhaust Gas Temperature Cylinder 8 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2462	1144	18	Amber	Warning	Exhaust Gas Temperature Cylinder 8 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2497	1144	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 8 Data Valid but Above or Below Normal - Condition Exists
645	1145	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 9 - Data Valid but Above Normal Operational Range - Most Severe Level
1524	1145	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 9 - Voltage Above Normal, or Shorted to High Source
675	1145	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 9 - Voltage Below Normal, or Shorted to Low Source
2125	1145	16	Amber	Warning	Exhaust Gas Temperature Cylinder 9 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2475	1145	18	Amber	Warning	Exhaust Gas Temperature Cylinder 9 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2488	1145	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 9 Data Valid but Above or Below Normal - Condition Exists
656	1146	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 10 - Data Valid but Above Normal Operational Range - Most Severe Level
1533	1146	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 10 - Voltage Above Normal, or Shorted to High Source
725	1146	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 10 - Voltage Below Normal, or Shorted to Low Source
2135	1146	16	Amber	Warning	Exhaust Gas Temperature Cylinder 10 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2463	1146	18	Amber	Warning	Exhaust Gas Temperature Cylinder 10 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2498	1146	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 10 Data Valid but Above or Below Normal - Condition Exists
646	1147	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 11 - Data Valid but Above Normal Operational Range - Most Severe Level
1525	1147	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 11 - Voltage Above Normal, or Shorted to High Source
676	1147	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 11 - Voltage Below Normal, or Shorted to Low Source
2126	1147	16	Amber	Warning	Exhaust Gas Temperature Cylinder 11 - Data Valid but Above Normal Operational Range - Moderately Severe Level

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
2476	1147	18	Amber	Warning	Exhaust Gas Temperature Cylinder 11 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2489	1147	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 11 Data Valid but Above or Below Normal - Condition Exists
657	1148	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 12 - Data Valid but Above Normal Operational Range - Most Severe Level
1534	1148	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 12 - Voltage Above Normal, or Shorted to High Source
726	1148	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 12 - Voltage Below Normal, or Shorted to Low Source
2136	1148	16	Amber	Warning	Exhaust Gas Temperature Cylinder 12 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2464	1148	18	Amber	Warning	Exhaust Gas Temperature Cylinder 12 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2499	1148	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 12 Data Valid but Above or Below Normal - Condition Exists
647	1149	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 13 - Data Valid but Above Normal Operational Range - Most Severe Level
1526	1149	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 13 - Voltage Above Normal, or Shorted to High Source
677	1149	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 13 - Voltage Below Normal, or Shorted to Low Source
2127	1149	16	Amber	Warning	Exhaust Gas Temperature Cylinder 13 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2477	1149	18	Amber	Warning	Exhaust Gas Temperature Cylinder 13 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2491	1149	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 13 Data Valid but Above or Below Normal - Condition Exists
658	1150	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 14 - Data Valid but Above Normal Operational Range - Most Severe Level
1535	1150	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 14 - Voltage Above Normal, or Shorted to High Source
727	1150	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 14 - Voltage Below Normal, or Shorted to Low Source
2137	1150	16	Amber	Warning	Exhaust Gas Temperature Cylinder 14 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2465	1150	18	Amber	Warning	Exhaust Gas Temperature Cylinder 14 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2511	1150	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 14 Data Valid but Above or Below Normal - Condition Exists
648	1151	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 15 - Data Valid but Above Normal Operational Range - Most Severe Level
1527	1151	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 15 - Voltage Above Normal, or Shorted to High Source
678	1151	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 15 - Voltage Below Normal, or Shorted to Low Source
2128	1151	16	Amber	Warning	Exhaust Gas Temperature Cylinder 15 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2478	1151	18	Amber	Warning	Exhaust Gas Temperature Cylinder 15 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2492	1151	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 15 Data Valid but Above or Below Normal - Condition Exists
2144	1152	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 16 - Data Valid but Above Normal Operational Range - Most Severe Level
1536	1152	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 16 - Voltage Above Normal, or Shorted to High Source
728	1152	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 16 - Voltage Below Normal, or Shorted to Low Source
2138	1152	16	Amber	Warning	Exhaust Gas Temperature Cylinder 16 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2466	1152	18	Amber	Warning	Exhaust Gas Temperature Cylinder 16 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2512	1152	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 16 Data Valid but Above or Below Normal - Condition Exists
651	1153	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 17 - Data Valid but Above Normal Operational Range - Most Severe Level
1528	1153	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 17 - Voltage Above Normal, or Shorted to High Source
2146	1153	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 17 - Voltage Below Normal, or Shorted to Low Source
2129	1153	16	Amber	Warning	Exhaust Gas Temperature Cylinder 17 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2479	1153	18	Amber	Warning	Exhaust Gas Temperature Cylinder 17 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2493	1153	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 17 Data Valid but Above or Below Normal - Condition Exists
2145	1154	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 18 - Data Valid but Above Normal Operational Range - Most Severe Level
1537	1154	3	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 18 - Voltage Above Normal, or Shorted to High Source
2147	1154	4	Maintenance	Maintenance	Exhaust Gas Temperature Sensor Circuit Cylinder 18 - Voltage Below Normal, or Shorted to Low Source
2139	1154	16	Amber	Warning	Exhaust Gas Temperature Cylinder 18 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2467	1154	18	Amber	Warning	Exhaust Gas Temperature Cylinder 18 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2513	1154	31	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 18 Data Valid but Above or Below Normal - Condition Exists
2514	1155	10	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 19 - Abnormal Rate of Change
2515	1156	10	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 20 - Abnormal Rate of Change

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
685	1169	2	Amber	Warning	Turbocharger 2 Speed Sensor - Data Erratic, Intermittent, or Incorrect
681	1169	3	Amber	Warning	Turbocharger 2 Speed Sensor Circuit - Voltage Above Normal, or Shorted to High Source
682	1169	4	Amber	Warning	Turbocharger 2 Speed Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
683	1169	16	Amber	Warning	Turbocharger 2 Speed - Data Valid but Above Normal Operational Range - Moderately Severe Level
684	1169	18	Amber	Warning	Turbocharger 2 Speed - Data Valid but Below Normal Operational Range - Moderately Severe Level
732	1170	0	Amber	Warning	Turbocharger 3 Speed - Data Valid but Above Normal Operational Range - Most Severe Level
733	1170	18	Amber	Warning	Turbocharger 3 Speed - Data Valid but Below Normal Operational Range - Moderately Severe Level
734	1171	0	Amber	Warning	Turbocharger 4 Speed - Data Valid but Above Normal Operational Range - Most Severe Level
735	1171	18	Amber	Warning	Turbocharger 4 Speed - Data Valid but Below Normal Operational Range - Moderately Severe Level
693	1172	2	Amber	Warning	Turbocharger 1 Compressor Inlet Temperature - Data Erratic, Intermittent, or Incorrect
691	1172	3	Amber	Warning	Turbocharger 1 Compressor Inlet Temperature Circuit - Voltage Above Normal, or Shorted to High Source
692	1172	4	Amber	Warning	Turbocharger 1 Compressor Inlet Temperature Circuit - Voltage Below Normal, or Shorted to Low Source
617	1172	16	Amber	Warning	Turbocharger 1 Compressor Inlet Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
696	1173	2	Amber	Warning	Turbocharger 2 Compressor Inlet Temperature - Data Erratic, Intermittent, or Incorrect
694	1173	3	Amber	Warning	Turbocharger 2 Compressor Inlet Temperature Circuit - Voltage Above Normal, or Shorted to High Source
695	1173	4	Amber	Warning	Turbocharger 2 Compressor Inlet Temperature Circuit - Voltage Below Normal, or Shorted to Low Source
616	1173	16	Amber	Warning	Turbocharger 2 Compressor Inlet Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
2163	1174	3	Amber	Warning	Turbocharger 3 Compressor Inlet Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2164	1174	4	Amber	Warning	Turbocharger 3 Compressor Inlet Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2162	1174	16	Amber	Warning	Turbocharger 3 Compressor Inlet Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
2165	1175	3	Amber	Warning	Turbocharger 4 Compressor Inlet Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2166	1175	4	Amber	Warning	Turbocharger 4 Compressor Inlet Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2161	1175	16	Amber	Warning	Turbocharger 4 Compressor Inlet Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
743	1176	2	Amber	Warning	Turbocharger 1 Compressor Inlet Pressure - Data Erratic, Intermittent, or Incorrect
741	1176	3	Amber	Warning	Turbocharger 1 Compressor Inlet Pressure Circuit - Voltage Above Normal, or Shorted to High Source
742	1176	4	Amber	Warning	Turbocharger 1 Compressor Inlet Pressure Circuit - Voltage Below Normal, or Shorted to Low Source
618	1176	16	Amber	Warning	Turbocharger 1 Compressor Inlet Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
629	1176	18	Amber	Warning	Turbocharger 1 Compressor Inlet Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
746	1177	2	Amber	Warning	Turbocharger 2 Compressor Inlet Pressure - Data Erratic, Intermittent, or Incorrect
744	1177	3	Amber	Warning	Turbocharger 2 Compressor Inlet Pressure Circuit - Voltage Above Normal, or Shorted to High Source
745	1177	4	Amber	Warning	Turbocharger 2 Compressor Inlet Pressure Circuit - Voltage Below Normal, or Shorted to Low Source
619	1177	16	Amber	Warning	Turbocharger 2 Compressor Inlet Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
639	1177	18	Amber	Warning	Turbocharger 2 Compressor Inlet Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
2172	1178	3	Amber	Warning	Turbocharger 3 Compressor Inlet Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2173	1178	4	Amber	Warning	Turbocharger 3 Compressor Inlet Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2167	1178	16	Amber	Warning	Turbocharger 3 Compressor Inlet Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
2169	1178	18	Amber	Warning	Turbocharger 3 Compressor Inlet Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
2174	1179	3	Amber	Warning	Turbocharger 4 Compressor Inlet Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2175	1179	4	Amber	Warning	Turbocharger 4 Compressor Inlet Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2168	1179	16	Amber	Warning	Turbocharger 4 Compressor Inlet Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
2171	1179	18	Amber	Warning	Turbocharger 4 Compressor Inlet Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
2641	1180	3	Amber	Warning	Turbocharger 1 Turbine Inlet Temperature - Voltage Above Normal, or Shorted to High Source

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
2642	1180	4	Amber	Warning	Turbocharger 1 Turbine Inlet Temperature - Voltage Below Normal, or Shorted to Low Source
2751	1180	15	None	None	Turbocharger 1 Turbine Inlet Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
777	1180	16	Amber	Warning	Turbocharger 1 Turbine Inlet Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
465	1188	3	Amber	Warning	Turbocharger 1 Wastegate Control Circuit - Voltage Above Normal, or Shorted to High Source
466	1188	4	Amber	Warning	Turbocharger 1 Wastegate Control Circuit - Voltage Below Normal, or Shorted to Low Source
545	1188	7	Amber	Warning	Turbocharger 1 Wastegate Control - Mechanical System Not Responding Properly or Out of Adjustment
491	1189	3	Amber	Warning	Turbocharger 2 Wastegate Control Circuit - Voltage Above Normal, or Shorted to High Source
492	1189	4	Amber	Warning	Turbocharger 2 Wastegate Control Circuit - Voltage Below Normal, or Shorted to Low Source
251	1189	7	Amber	Warning	Turbocharger 2 Wastegate Control - Mechanical System Not Responding Properly or Out of Adjustment
269	1195	2	Red	Stop / Shutdown	Antitheft Password Valid Indicator - Data Erratic, Intermittent, or Incorrect
2547	1195	13	None	None	Antitheft Password Valid Indicator - Out of Calibration
1791	1204	31	Red	Stop / Shutdown	Electrical Load, Failure to Meet Load and/or Speed Demand - Condition Exists
2647	1204	31	Amber	Warning	Electrical Load, Failure to Meet Load and/or Speed Demand - Condition Exists
139	1208	2	Amber	Warning	Pre-Oil Filter Pressure - Data Erratic, Intermittent, or Incorrect
136	1208	3	Amber	Warning	Pre-Oil Filter Pressure 1 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1367	1208	3	Maintenance	Maintenance	Pre-Oil Filter Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
137	1208	4	Amber	Warning	Pre-Oil Filter Pressure 1 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1368	1208	4	Maintenance	Maintenance	Pre-Oil Filter Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
138	1208	15	Maintenance	Maintenance	Pre-Oil Filter Pressure - Data Valid but Above Normal Operational Range - Least Severe Level
2554	1209	2	Amber	Warning	Exhaust Gas Pressure - Data Erratic, Intermittent, or Incorrect
2373	1209	3	Amber	Warning	Exhaust Gas Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2374	1209	4	Amber	Warning	Exhaust Gas Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2764	1209	16	Amber	Warning	Exhaust Gas Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
166	1210	3	Amber	Warning	Fuel Rack Position 1 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
167	1210	4	Amber	Warning	Fuel Rack Position 1 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2974	1210	11	Amber	Warning	Fuel Rack Position Sensor 1 Circuit - Root Cause Not Known
2521	1225	11	Red	Stop / Shutdown	Bank Identifier Incorrect - Root Cause Not Known
9111	1231	2	Red	Stop / Shutdown	SAE J1939 Data Link 2 Engine Network - Data Erratic, Intermittent, or Incorrect
781	1231	9	Amber	Warning	SAE J1939 Data Link 2 Engine Network - Abnormal Update Rate
1135	1231	9	Red	Stop / Shutdown	SAE J1939 Data Link 2 Engine Network - Abnormal Update Rate
2727	1231	9	Maintenance	Maintenance	SAE J1939 Data Link 2 Engine Network - Abnormal Update Rate
9115	1231	9	Red	Stop / Shutdown	SAE J1939 Data Link 2 Engine Network - Abnormal Update Rate
782	1231	31	Amber	Warning	SAE J1939 Data Link 2 Engine Network No Data Received - Condition Exists
1953	1237	31	Amber	Warning	Operator Initiated Shutdown Override - Condition Exists
751	1241	2	Amber	Warning	Gas Mass Flow 1 Sensor - Data Erratic, Intermittent, or Incorrect
453	1241	3	Amber	Warning	Gas Mass Flow 1 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
454	1241	4	Amber	Warning	Gas Mass Flow 1 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2775	1241	16	Amber	Warning	Gas Mass Flow 1 Sensor - Data Valid but Above Normal Operational Range - Moderately Severe Level
2776	1241	18	Amber	Warning	Gas Mass Flow 1 Sensor - Data Valid but Below Normal Operational Range - Moderately Severe Level
557	1244	3	Red	Stop / Shutdown	Fuel Control Valve Solenoid Driver 2 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
558	1244	4	Amber	Warning	Fuel Control Valve Solenoid Driver 2 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
396	1244	5	Amber	Warning	Fuel Control Valve Solenoid Driver 2 Sensor Circuit - Current Below Normal, or Open Circuit
397	1244	6	Amber	Warning	Fuel Control Valve Solenoid Driver 2 - Current Above Normal, or Grounded Circuit
2313	1244	31	Amber	Warning	Fuel Control Valve Solenoid Driver 2 Circuit - Condition Exists
398	1245	5	Amber	Warning	Engine Timing Actuator Driver 2 Circuit - Current Below Normal, or Open Circuit
399	1245	6	Amber	Warning	Engine Timing Actuator Driver 2 Circuit - Current Above Normal, or Grounded Circuit

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
2314	1245	31	Amber	Warning	Engine Timing Actuator Driver 2 Circuit Error - Condition Exists
224	1265	3	Amber	Warning	Engine Oil Burn Valve Solenoid Driver Circuit - Voltage Above Normal, or Shorted to High Source
223	1265	4	Amber	Warning	Engine Oil Burn Valve Solenoid Driver Circuit - Voltage Below Normal, or Shorted to Low Source
226	1266	3	Amber	Warning	Engine Oil Replacement Valve Solenoid Driver Circuit - Voltage Above Normal, or Shorted to High Source
225	1266	4	Amber	Warning	Engine Oil Replacement Valve Solenoid Driver Circuit - Voltage Below Normal, or Shorted to Low Source
338	1267	3	Amber	Warning	Idle Shutdown Vehicle Accessories Relay Driver Circuit - Voltage Above Normal, or Shorted to High Source
339	1267	4	Amber	Warning	Idle Shutdown Vehicle Accessories Relay Driver Circuit - Voltage Below Normal, or Shorted to Low Source
811	1268	4	Amber	Warning	Ignition Coil Cylinder 1 - Voltage Below Normal, or Shorted to Low Source
921	1268	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 1 - Root Cause Not Known
871	1268	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 1 - Data Valid but Above Normal Operational Range - Least Severe Level
812	1269	4	Amber	Warning	Ignition Coil Cylinder 2 - Voltage Below Normal, or Shorted to Low Source
922	1269	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 2 - Root Cause Not Known
872	1269	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 2 - Data Valid but Above Normal Operational Range - Least Severe Level
813	1270	4	Amber	Warning	Ignition Coil Cylinder 3 - Voltage Below Normal, or Shorted to Low Source
923	1270	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 3 - Root Cause Not Known
873	1270	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 3 - Data Valid but Above Normal Operational Range - Least Severe Level
814	1271	4	Amber	Warning	Ignition Coil Cylinder 4 - Voltage Below Normal, or Shorted to Low Source
924	1271	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 4 - Root Cause Not Known
874	1271	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 4 - Data Valid but Above Normal Operational Range - Least Severe Level
815	1272	4	Amber	Warning	Ignition Coil Cylinder 5 - Voltage Below Normal, or Shorted to Low Source
925	1272	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 5 - Root Cause Not Known
875	1272	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 5 - Data Valid but Above Normal Operational Range - Least Severe Level
816	1273	4	Amber	Warning	Ignition Coil Cylinder 6 - Voltage Below Normal, or Shorted to Low Source
926	1273	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 6 - Root Cause Not Known
876	1273	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 6 - Data Valid but Above Normal Operational Range - Least Severe Level
817	1274	4	Amber	Warning	Ignition Coil Cylinder 7 - Voltage Below Normal, or Shorted to Low Source
927	1274	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 7 - Root Cause Not Known
877	1274	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 7 - Data Valid but Above Normal Operational Range - Least Severe Level
818	1275	4	Amber	Warning	Ignition Coil Cylinder 8 - Voltage Below Normal, or Shorted to Low Source
928	1275	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 8 - Root Cause Not Known
878	1275	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 8 - Data Valid but Above Normal Operational Range - Least Severe Level
819	1276	4	Amber	Warning	Ignition Coil Cylinder 9 - Voltage Below Normal, or Shorted to Low Source
929	1276	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 9 - Root Cause Not Known
879	1276	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 9 - Data Valid but Above Normal Operational Range - Least Severe Level
821	1277	4	Amber	Warning	Ignition Coil Cylinder 10 - Voltage Below Normal, or Shorted to Low Source
931	1277	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 10 - Root Cause Not Known
881	1277	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 10 - Data Valid but Above Normal Operational Range - Least Severe Level
822	1278	4	Amber	Warning	Ignition Coil Cylinder 11 - Voltage Below Normal, or Shorted to Low Source
932	1278	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 11 - Root Cause Not Known
882	1278	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 11 - Data Valid but Above Normal Operational Range - Least Severe Level
823	1279	4	Amber	Warning	Ignition Coil Cylinder 12 - Voltage Below Normal, or Shorted to Low Source
933	1279	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 12 - Root Cause Not Known
883	1279	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 12 - Data Valid but Above Normal Operational Range - Least Severe Level
824	1280	4	Amber	Warning	Ignition Coil Cylinder 13 - Voltage Below Normal, or Shorted to Low Source
934	1280	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 13 - Root Cause Not Known
884	1280	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 13 - Data Valid but Above Normal Operational Range - Least Severe Level

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
825	1281	4	Amber	Warning	Ignition Coil Cylinder 14 - Voltage Below Normal, or Shorted to Low Source
935	1281	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 14 - Root Cause Not Known
885	1281	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 14 - Data Valid but Above Normal Operational Range - Least Severe Level
826	1282	4	Amber	Warning	Ignition Coil Cylinder 15 - Voltage Below Normal, or Shorted to Low Source
936	1282	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 15 - Root Cause Not Known
886	1282	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 15 - Data Valid but Above Normal Operational Range - Least Severe Level
827	1283	4	Amber	Warning	Ignition Coil Cylinder 16 - Voltage Below Normal, or Shorted to Low Source
937	1283	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 16 - Root Cause Not Known
887	1283	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 16 - Data Valid but Above Normal Operational Range - Least Severe Level
828	1284	4	Amber	Warning	Ignition Coil Cylinder 17 - Voltage Below Normal, or Shorted to Low Source
938	1284	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 17 - Root Cause Not Known
888	1284	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 17 - Data Valid but Above Normal Operational Range - Least Severe Level
829	1285	4	Amber	Warning	Ignition Coil Cylinder 18 - Voltage Below Normal, or Shorted to Low Source
939	1285	11	Maintenance	Maintenance	Ignition Coil Internal Spark Cylinder 18 - Root Cause Not Known
889	1285	15	Maintenance	Maintenance	Ignition Coil Prognostic Cylinder 18 - Data Valid but Above Normal Operational Range - Least Severe Level
941	1292	12	Red	Stop / Shutdown	Ignition Control Module 1 - Bad Intelligent Device or Component
2766	1292	31	Red	Stop / Shutdown	Engine Ignition Control Module #1 - Condition Exists
942	1293	12	Red	Stop / Shutdown	Ignition Control Module 2 - Bad Intelligent Device or Component
2767	1293	31	Red	Stop / Shutdown	Engine Ignition Control Module #2 - Condition Exists
831	1294	4	Amber	Warning	Spark Plug Cylinder 1 - Voltage Below Normal, or Shorted to Low Source
891	1294	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 1 - Root Cause Not Known
851	1294	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 1 - Data Valid but Above Normal Operational Range - Least Severe Level
2586	1294	15	None	None	Engine Spark Plug #1 Voltage - Data Valid but Above Normal Operational Range - Least Severe Level
2593	1294	17	None	None	Engine Spark Plug #1 Voltage - Data Valid but Below Normal Operational Range - Least Severe Level
832	1295	4	Amber	Warning	Spark Plug Cylinder 2 - Voltage Below Normal, or Shorted to Low Source
892	1295	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 2 - Root Cause Not Known
852	1295	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 2 - Data Valid but Above Normal Operational Range - Least Severe Level
2587	1295	15	None	None	Engine Spark Plug #2 Voltage - Data Valid but Above Normal Operational Range - Least Severe Level
2594	1295	17	None	None	Engine Spark Plug #2 Voltage - Data Valid but Below Normal Operational Range - Least Severe Level
833	1296	4	Amber	Warning	Spark Plug Cylinder 3 - Voltage Below Normal, or Shorted to Low Source
893	1296	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 3 - Root Cause Not Known
853	1296	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 3 - Data Valid but Above Normal Operational Range - Least Severe Level
2588	1296	15	None	None	Engine Spark Plug #3 Voltage- Data Valid but Above Normal Operational Range - Least Severe Level
2595	1296	17	None	None	Engine Spark Plug #3 Voltage - Data Valid but Below Normal Operational Range - Least Severe Level
834	1297	4	Amber	Warning	Spark Plug Cylinder 4 - Voltage Below Normal, or Shorted to Low Source
894	1297	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 4 - Root Cause Not Known
854	1297	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 4 - Data Valid but Above Normal Operational Range - Least Severe Level
2589	1297	15	None	None	Engine Spark Plug #4 Voltage - Data Valid but Above Normal Operational Range - Least Severe Level
2596	1297	17	None	None	Engine Spark Plug #4 Voltage - Data Valid but Below Normal Operational Range - Least Severe Level
835	1298	4	Amber	Warning	Spark Plug Cylinder 5 - Voltage Below Normal, or Shorted to Low Source
895	1298	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 5 - Root Cause Not Known
855	1298	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 5 - Data Valid but Above Normal Operational Range - Least Severe Level
2591	1298	15	None	None	Engine Spark Plug #5 Voltage - Data Valid but Above Normal Operational Range - Least Severe Level
2597	1298	17	None	None	Engine Spark Plug #5 Voltage - Data Valid but Below Normal Operational Range - Least Severe Level
836	1299	4	Amber	Warning	Spark Plug Cylinder 6 - Voltage Below Normal, or Shorted to Low Source
896	1299	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 6 - Root Cause Not Known

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856	1299	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 6 - Data Valid but Above Normal Operational Range - Least Severe Level
2592	1299	15	None	None	Engine Spark Plug #6 Voltage - Data Valid but Above Normal Operational Range - Least Severe Level
2598	1299	17	None	None	Engine Spark Plug #6 Voltage - Data Valid but Below Normal Operational Range - Least Severe Level
837	1300	4	Amber	Warning	Spark Plug Cylinder 7 - Voltage Below Normal, or Shorted to Low Source
897	1300	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 7 - Root Cause Not Known
857	1300	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 7 - Data Valid but Above Normal Operational Range - Least Severe Level
838	1301	4	Amber	Warning	Spark Plug Cylinder 8 - Voltage Below Normal, or Shorted to Low Source
898	1301	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 8 - Root Cause Not Known
858	1301	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 8 - Data Valid but Above Normal Operational Range - Least Severe Level
839	1302	4	Amber	Warning	Spark Plug Cylinder 9 - Voltage Below Normal, or Shorted to Low Source
899	1302	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 9 - Root Cause Not Known
859	1302	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 9 - Data Valid but Above Normal Operational Range - Least Severe Level
841	1303	4	Amber	Warning	Spark Plug Cylinder 10 - Voltage Below Normal, or Shorted to Low Source
911	1303	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 10 - Root Cause Not Known
861	1303	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 10 - Data Valid but Above Normal Operational Range - Least Severe Level
842	1304	4	Amber	Warning	Spark Plug Cylinder 11 - Voltage Below Normal, or Shorted to Low Source
912	1304	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 11 - Root Cause Not Known
862	1304	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 11 - Data Valid but Above Normal Operational Range - Least Severe Level
843	1305	4	Amber	Warning	Spark Plug Cylinder 12 - Voltage Below Normal, or Shorted to Low Source
913	1305	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 12 - Root Cause Not Known
863	1305	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 12 - Data Valid but Above Normal Operational Range - Least Severe Level
844	1306	4	Amber	Warning	Spark Plug Cylinder 13 - Voltage Below Normal, or Shorted to Low Source
914	1306	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 13 - Root Cause Not Known
864	1306	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 13 - Data Valid but Above Normal Operational Range - Least Severe Level
845	1307	4	Amber	Warning	Spark Plug Cylinder 14 - Voltage Below Normal, or Shorted to Low Source
915	1307	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 14 - Root Cause Not Known
865	1307	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 14 - Data Valid but Above Normal Operational Range - Least Severe Level
846	1308	4	Amber	Warning	Spark Plug Cylinder 15 - Voltage Below Normal, or Shorted to Low Source
916	1308	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 15 - Root Cause Not Known
866	1308	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 15 - Data Valid but Above Normal Operational Range - Least Severe Level
847	1309	4	Amber	Warning	Spark Plug Cylinder 16 - Voltage Below Normal, or Shorted to Low Source
917	1309	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 16 - Root Cause Not Known
867	1309	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 16 - Data Valid but Above Normal Operational Range - Least Severe Level
848	1310	4	Amber	Warning	Spark Plug Cylinder 17 - Voltage Below Normal, or Shorted to Low Source
918	1310	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 17 - Root Cause Not Known
868	1310	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 17 - Data Valid but Above Normal Operational Range - Least Severe Level
849	1311	4	Amber	Warning	Spark Plug Cylinder 18 - Voltage Below Normal, or Shorted to Low Source
919	1311	11	Maintenance	Maintenance	Spark Plug Flash-over Cylinder 18 - Root Cause Not Known
869	1311	15	Maintenance	Maintenance	Spark Plug Prognostic Cylinder 18 - Data Valid but Above Normal Operational Range - Least Severe Level
479	1318	2	Amber	Warning	Exhaust Gas Temperature Bank Imbalance - Data Erratic, Intermittent, or Incorrect
2276	1318	11	Amber	Warning	Exhaust Gas Temperature Bank 2 Greater than Bank 1 - Root Cause Not Known
2275	1318	31	Amber	Warning	Exhaust Gas Temperature Bank 1 Greater than Bank 2 - Condition Exists
419	1319	2	Amber	Warning	Intake Manifold Pressure Bank Imbalance - Data Erratic, Intermittent, or Incorrect
2141	1320	3	Amber	Warning	Externally Supplied Air Pressure Signal Circuit - Voltage Above Normal, or Shorted to High Source
2142	1320	4	Amber	Warning	Externally Supplied Air Pressure Signal Circuit - Voltage Below Normal, or Shorted to Low Source
2143	1320	16	Amber	Warning	Externally Supplied Air Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
474	1321	2	Amber	Warning	Starter Solenoid Lockout Relay Driver - Data Erratic, Intermittent, or Incorrect
613	1322	1	Red	Stop / Shutdown	Engine Misfire for Multiple Cylinders - Data Valid but Below Normal Operational Range - Most Severe Level
2616	1322	3	Amber	Warning	Engine Misfire Multiple Cylinder Circuit - Voltage Above Normal, or Shorted to High Source
2617	1322	4	Amber	Warning	Engine Misfire Multiple Cylinder Circuit - Voltage Below Normal, or Shorted to Low Source
1718	1322	31	Amber	Warning	Engine Misfire for Multiple Cylinders - Condition Exists
2457	1322	31	Red	Stop / Shutdown	Engine Misfire for Multiple Cylinders - Condition Exists
1577	1323	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 1 - Data Valid but Above Normal Operational Range - Most Severe Level
661	1323	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 1 - Data Valid but Above Normal Operational Range - Moderately Severe Level
621	1323	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 1 - Data Valid but Below Normal Operational Range - Least Severe Level
1598	1323	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 1 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1654	1323	31	Amber	Warning	Engine Misfire Cylinder 1 - Condition Exists
2533	1323	31	Red	Stop / Shutdown	Engine Misfire Cylinder 1 - Condition Exists
2599	1323	31	None	None	Engine Misfire Cylinder 1 - Condition Exists
1261	1324	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 2 - Data Valid but Above Normal Operational Range - Most Severe Level
711	1324	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 2 - Data Valid but Above Normal Operational Range - Moderately Severe Level
631	1324	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 2 - Data Valid but Below Normal Operational Range - Least Severe Level
1391	1324	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 2 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1655	1324	31	Amber	Warning	Engine Misfire Cylinder 2 - Condition Exists
2534	1324	31	Red	Stop / Shutdown	Engine Misfire Cylinder 2 - Condition Exists
2611	1324	31	None	None	Engine Misfire Cylinder 2 - Condition Exists
1262	1325	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 3 - Data Valid but Above Normal Operational Range - Most Severe Level
662	1325	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 3 - Data Valid but Above Normal Operational Range - Moderately Severe Level
622	1325	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 3 - Data Valid but Below Normal Operational Range - Least Severe Level
1392	1325	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 3 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1656	1325	31	Amber	Warning	Engine Misfire Cylinder 3 - Condition Exists
2535	1325	31	Red	Stop / Shutdown	Engine Misfire Cylinder 3 - Condition Exists
2612	1325	31	None	None	Engine Misfire Cylinder 3 - Condition Exists
1263	1326	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 4 - Data Valid but Above Normal Operational Range - Most Severe Level
712	1326	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 4 - Data Valid but Above Normal Operational Range - Moderately Severe Level
632	1326	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 4 - Data Valid but Below Normal Operational Range - Least Severe Level
1393	1326	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 4 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1657	1326	31	Amber	Warning	Engine Misfire Cylinder 4 - Condition Exists
2536	1326	31	Red	Stop / Shutdown	Engine Misfire Cylinder 4 - Condition Exists
2613	1326	31	None	None	Engine Misfire Cylinder 4 - Condition Exists
1264	1327	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 5 - Data Valid but Above Normal Operational Range - Most Severe Level
663	1327	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 5 - Data Valid but Above Normal Operational Range - Moderately Severe Level

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
623	1327	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 5 - Data Valid but Below Normal Operational Range - Least Severe Level
1394	1327	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 5 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1658	1327	31	Amber	Warning	Engine Misfire Cylinder 5 - Condition Exists
2537	1327	31	Red	Stop / Shutdown	Engine Misfire Cylinder 5 - Condition Exists
2614	1327	31	None	None	Engine Misfire Cylinder 5 - Condition Exists
1265	1328	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 6 - Data Valid but Above Normal Operational Range - Most Severe Level
713	1328	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 6 - Data Valid but Above Normal Operational Range - Moderately Severe Level
633	1328	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 6 - Data Valid but Below Normal Operational Range - Least Severe Level
1395	1328	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 6 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1659	1328	31	Amber	Warning	Engine Misfire Cylinder 6 - Condition Exists
2538	1328	31	Red	Stop / Shutdown	Engine Misfire Cylinder 6 - Condition Exists
2615	1328	31	None	None	Engine Misfire Cylinder 6 - Condition Exists
1266	1329	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 7 - Data Valid but Above Normal Operational Range - Most Severe Level
664	1329	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 7 - Data Valid but Above Normal Operational Range - Moderately Severe Level
624	1329	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 7 - Data Valid but Below Normal Operational Range - Least Severe Level
1396	1329	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 7 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1661	1329	31	Amber	Warning	Engine Misfire Cylinder 7 - Condition Exists
1267	1330	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 8 - Data Valid but Above Normal Operational Range - Most Severe Level
714	1330	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 8 - Data Valid but Above Normal Operational Range - Moderately Severe Level
634	1330	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 8 - Data Valid but Below Normal Operational Range - Least Severe Level
1397	1330	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 8 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1662	1330	31	Amber	Warning	Engine Misfire Cylinder 8 - Condition Exists
1268	1331	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 9 - Data Valid but Above Normal Operational Range - Most Severe Level
665	1331	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 9 - Data Valid but Above Normal Operational Range - Moderately Severe Level
625	1331	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 9 - Data Valid but Below Normal Operational Range - Least Severe Level
1398	1331	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 9 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1269	1332	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 10 - Data Valid but Above Normal Operational Range - Most Severe Level
715	1332	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 10 - Data Valid but Above Normal Operational Range - Moderately Severe Level
635	1332	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 10 - Data Valid but Below Normal Operational Range - Least Severe Level
1399	1332	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 10 - Data Valid but Below Normal Operational Range - Moderately Severe Level
666	1333	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 11 - Data Valid but Above Normal Operational Range - Moderately Severe Level
626	1333	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 11 - Data Valid but Below Normal Operational Range - Least Severe Level
1599	1333	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 11 - Data Valid but Below Normal Operational Range - Moderately Severe Level

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
716	1334	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 12 - Data Valid but Above Normal Operational Range - Moderately Severe Level
636	1334	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 12 - Data Valid but Below Normal Operational Range - Least Severe Level
1611	1334	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 12 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1259	1335	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 13 - Data Valid but Above Normal Operational Range - Most Severe Level
667	1335	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 13 - Data Valid but Above Normal Operational Range - Moderately Severe Level
627	1335	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 13 - Data Valid but Below Normal Operational Range - Least Severe Level
1612	1335	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 13 - Data Valid but Below Normal Operational Range - Moderately Severe Level
717	1336	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 14 - Data Valid but Above Normal Operational Range - Moderately Severe Level
637	1336	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 14 - Data Valid but Below Normal Operational Range - Least Severe Level
1613	1336	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 14 - Data Valid but Below Normal Operational Range - Moderately Severe Level
668	1337	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 15 - Data Valid but Above Normal Operational Range - Moderately Severe Level
628	1337	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 15 - Data Valid but Below Normal Operational Range - Least Severe Level
1614	1337	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 15 - Data Valid but Below Normal Operational Range - Moderately Severe Level
718	1338	16	Amber	Warning	Exhaust Gas Temperature Deviation High for Cylinder 16 - Data Valid but Above Normal Operational Range - Moderately Severe Level
638	1338	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 16 - Data Valid but Below Normal Operational Range - Least Severe Level
1615	1338	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 16 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2148	1339	16	Amber	Warning	Engine Gas Temperature Deviation High for Cylinder 17 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2151	1339	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 17 - Data Valid but Below Normal Operational Range - Least Severe Level
1578	1339	18	Amber	Warning	Exhaust Gas Temperature Cylinder 17 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2149	1340	16	Amber	Warning	Engine Gas Temperature Deviation High for Cylinder 18 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2152	1340	17	Maintenance	Maintenance	Exhaust Gas Temperature Deviation Low for Cylinder 18 - Data Valid but Below Normal Operational Range - Least Severe Level
1616	1340	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 18 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1617	1341	18	Maintenance	Maintenance	Exhaust Gas Temperature Cylinder 19 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2481	1342	0	Red	Stop / Shutdown	Exhaust Gas Temperature Cylinder 20 - Data Valid but Above Normal Operational Range - Most Severe Level
1273	1342	16	Amber	Warning	Exhaust Gas Temperature Cylinder 20 - Data Valid but Above Normal Operational Range - Moderately Severe Level
1272	1342	18	Amber	Warning	Exhaust Gas Temperature Cylinder 20 - Data Valid but Below Normal Operational Range - Moderately Severe Level
272	1347	3	Amber	Warning	Fuel Pump Pressurizing Assembly 1 Circuit - Voltage Above Normal, or Shorted to High Source
271	1347	4	Amber	Warning	Fuel Pump Pressurizing Assembly 1 Circuit - Voltage Below Normal, or Shorted to Low Source
281	1347	7	Amber	Warning	Fuel Pump Pressurizing Assembly 1 - Mechanical System Not Responding Properly or Out of Adjustment
274	1348	3	Amber	Warning	Fuel Pump Pressurizing Assembly 2 Circuit - Voltage Above Normal, or Shorted to High Source
273	1348	4	Amber	Warning	Fuel Pump Pressurizing Assembly 2 Circuit - Voltage Below Normal, or Shorted to Low Source
328	1348	7	Amber	Warning	Fuel Pump Pressurizing Assembly 2 - Mechanical System Not Responding Properly or Out of Adjustment

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
483	1349	3	Amber	Warning	Injector Metering Rail 2 Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
484	1349	4	Amber	Warning	Injector Metering Rail 2 Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
758	1349	7	Amber	Warning	Injector Metering Rail 2 Pressure - Mechanical System Not Responding Properly or Out of Adjustment
485	1349	16	Amber	Warning	Injector Metering Rail 2 Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
2551	1349	16	Red	Stop / Shutdown	Injector Metering Rail 2 Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
486	1349	18	Amber	Warning	Injector Metering Rail 2 Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
476	1351	3	Amber	Warning	Air Compressor Actuator Driver Circuit - Voltage Above Normal, or Shorted to High Source
475	1351	4	Amber	Warning	Air Compressor Actuator Driver Circuit - Voltage Below Normal, or Shorted to Low Source
2567	1351	11	Amber	Warning	Air Compressor Actuator Driver Circuit Breaker - Root Cause Not Known
561	1352	0	Red	Stop / Shutdown	Engine Cylinder 1 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
2231	1352	3	Amber	Warning	Engine Cylinder 1 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
571	1352	4	Amber	Warning	Engine Cylinder 1 Knock - Voltage Below Normal, or Shorted to Low Source
2431	1352	15	Amber	Warning	Engine Cylinder 1 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
2522	1352	16	Red	Stop / Shutdown	Engine Cylinder 1 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
562	1353	0	Red	Stop / Shutdown	Engine Cylinder 2 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
2232	1353	3	Amber	Warning	Engine Cylinder 2 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
572	1353	4	Amber	Warning	Engine Cylinder 2 Knock - Voltage Below Normal, or Shorted to Low Source
2432	1353	15	Amber	Warning	Engine Cylinder 2 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
2523	1353	16	Red	Stop / Shutdown	Engine Cylinder 2 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
563	1354	0	Red	Stop / Shutdown	Engine Cylinder 3 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
2233	1354	3	Amber	Warning	Engine Cylinder 3 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
573	1354	4	Amber	Warning	Engine Cylinder 3 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2433	1354	15	Amber	Warning	Engine Cylinder 3 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
2524	1354	16	Red	Stop / Shutdown	Engine Cylinder 3 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
564	1355	0	Red	Stop / Shutdown	Engine Cylinder 4 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
2234	1355	3	Amber	Warning	Engine Cylinder 4 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
574	1355	4	Amber	Warning	Engine Cylinder 4 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2434	1355	15	Amber	Warning	Engine Cylinder 4 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
2525	1355	16	Red	Stop / Shutdown	Engine Cylinder 4 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
565	1356	0	Red	Stop / Shutdown	Engine Cylinder 5 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
2235	1356	3	Amber	Warning	Engine Cylinder 5 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
575	1356	4	Amber	Warning	Engine Cylinder 5 Knock - Voltage Below Normal, or Shorted to Low Source
2435	1356	15	Amber	Warning	Engine Cylinder 5 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
2526	1356	16	Red	Stop / Shutdown	Engine Cylinder 5 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
566	1357	0	Red	Stop / Shutdown	Engine Cylinder 6 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
2236	1357	3	Amber	Warning	Engine Cylinder 6 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
576	1357	4	Amber	Warning	Engine Cylinder 6 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2436	1357	15	Amber	Warning	Engine Cylinder 6 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
2527	1357	16	Red	Stop / Shutdown	Engine Cylinder 6 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
567	1358	0	Red	Stop / Shutdown	Engine Cylinder 7 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
2237	1358	3	Amber	Warning	Engine Cylinder 7 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
577	1358	4	Amber	Warning	Engine Cylinder 7 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2437	1358	15	Amber	Warning	Engine Cylinder 7 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
2528	1358	16	Red	Stop / Shutdown	Engine Cylinder 7 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
568	1359	0	Red	Stop / Shutdown	Engine Cylinder 8 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
2238	1359	3	Amber	Warning	Engine Cylinder 8 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
578	1359	4	Amber	Warning	Engine Cylinder 8 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2438	1359	15	Amber	Warning	Engine Cylinder 8 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
2529	1359	16	Red	Stop / Shutdown	Engine Cylinder 8 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
569	1360	0	Red	Stop / Shutdown	Engine Cylinder 9 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
2239	1360	3	Amber	Warning	Engine Cylinder 9 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
579	1360	4	Amber	Warning	Engine Cylinder 9 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2439	1360	15	Amber	Warning	Engine Cylinder 9 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
2531	1360	16	Red	Stop / Shutdown	Engine Cylinder 9 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
1274	1361	0	Red	Stop / Shutdown	Engine Cylinder 10 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
1276	1361	3	Amber	Warning	Engine Cylinder 10 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1727	1361	3	None	None	Engine Cylinder 10 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1275	1361	4	Amber	Warning	Engine Cylinder 10 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2441	1361	15	Amber	Warning	Engine Cylinder 10 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
2532	1361	16	Red	Stop / Shutdown	Engine Cylinder 10 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
2282	1362	0	Red	Stop / Shutdown	Engine Cylinder 11 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
1278	1362	3	Amber	Warning	Engine Cylinder 11 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1728	1362	3	None	None	Engine Cylinder 11 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1277	1362	4	Amber	Warning	Engine Cylinder 11 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2279	1362	15	Amber	Warning	Engine Cylinder 11 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
2281	1362	16	Red	Stop / Shutdown	Engine Cylinder 11 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
1281	1363	0	Red	Stop / Shutdown	Engine Cylinder 12 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
1283	1363	3	Amber	Warning	Engine Cylinder 12 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1729	1363	3	None	None	Engine Cylinder 12 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1282	1363	4	Amber	Warning	Engine Cylinder 12 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1279	1363	15	Amber	Warning	Engine Cylinder 12 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
1579	1363	16	Red	Stop / Shutdown	Engine Cylinder 12 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
1286	1364	0	Red	Stop / Shutdown	Engine Cylinder 13 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
1288	1364	3	Amber	Warning	Engine Cylinder 13 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1731	1364	3	None	None	Engine Cylinder 13 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1287	1364	4	Amber	Warning	Engine Cylinder 13 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1284	1364	15	Amber	Warning	Engine Cylinder 13 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
1285	1364	16	Red	Stop / Shutdown	Engine Cylinder 13 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
1291	1365	0	Red	Stop / Shutdown	Engine Cylinder 14 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
1293	1365	3	Amber	Warning	Engine Cylinder 14 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1732	1365	3	None	None	Engine Cylinder 14 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1292	1365	4	Amber	Warning	Engine Cylinder 14 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1289	1365	15	Amber	Warning	Engine Cylinder 14 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
1581	1365	16	Red	Stop / Shutdown	Engine Cylinder 14 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
1296	1366	0	Red	Stop / Shutdown	Engine Cylinder 15 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
1298	1366	3	Amber	Warning	Engine Cylinder 15 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1733	1366	3	None	None	Engine Cylinder 15 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1297	1366	4	Amber	Warning	Engine Cylinder 15 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1294	1366	15	Amber	Warning	Engine Cylinder 15 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
1295	1366	16	Red	Stop / Shutdown	Engine Cylinder 15 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
1583	1367	0	Red	Stop / Shutdown	Engine Cylinder 16 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
1585	1367	3	Amber	Warning	Engine Cylinder 16 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
1734	1367	3	None	None	Engine Cylinder 16 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1584	1367	4	Amber	Warning	Engine Cylinder 16 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1299	1367	15	Amber	Warning	Engine Cylinder 16 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
1582	1367	16	Red	Stop / Shutdown	Engine Cylinder 16 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
1588	1368	0	Red	Stop / Shutdown	Engine Cylinder 17 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
1591	1368	3	Amber	Warning	Engine Cylinder 17 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1735	1368	3	None	None	Engine Cylinder 17 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1589	1368	4	Amber	Warning	Engine Cylinder 17 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1586	1368	15	Amber	Warning	Engine Cylinder 17 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
1587	1368	16	Red	Stop / Shutdown	Engine Cylinder 17 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
1311	1369	0	Red	Stop / Shutdown	Engine Cylinder 18 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
1339	1369	3	Amber	Warning	Engine Cylinder 18 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1736	1369	3	None	None	Engine Cylinder 18 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1338	1369	4	Amber	Warning	Engine Cylinder 18 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1592	1369	15	Amber	Warning	Engine Cylinder 18 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
1593	1369	16	Red	Stop / Shutdown	Engine Cylinder 18 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
1574	1370	0	Red	Stop / Shutdown	Engine Cylinder 19 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
1576	1370	3	Amber	Warning	Engine Cylinder 19 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1575	1370	4	Amber	Warning	Engine Cylinder 19 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1594	1370	15	Amber	Warning	Engine Cylinder 19 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
1572	1370	16	Red	Stop / Shutdown	Engine Cylinder 19 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
1354	1371	0	Red	Stop / Shutdown	Engine Cylinder 20 Knock - Data Valid but Above Normal Operational Range - Most Severe Level
1356	1371	3	Amber	Warning	Engine Cylinder 20 Knock Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1355	1371	4	Amber	Warning	Engine Cylinder 20 Knock Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1352	1371	15	Amber	Warning	Engine Cylinder 20 Knock - Data Valid but Above Normal Operational Range - Least Severe Level
1353	1371	16	Red	Stop / Shutdown	Engine Cylinder 20 Knock - Data Valid but Above Normal Operational Range - Moderately Severe Level
497	1377	2	Amber	Warning	Multiple Unit Synchronization Switch - Data Erratic, Intermittent, or Incorrect
649	1378	31	Maintenance	Maintenance	Engine Oil Change Interval - Condition Exists
1891	1378	31	Amber	Warning	Engine Oil Change Interval - Condition Exists
472	1380	2	Maintenance	Maintenance	Engine Oil Level Remote Reservoir - Data Erratic, Intermittent, or Incorrect
473	1380	2	Amber	Warning	Engine Oil Level Remote Reservoir - Data Erratic, Intermittent, or Incorrect
219	1380	17	Maintenance	Maintenance	Engine Oil Level Remote Reservoir - Data Valid but Below Normal Operational Range - Least Severe Level
1357	1380	18	Amber	Warning	Engine Oil Level Remote Reservoir - Data Valid but Below Normal Operational Range - Moderately Severe Level
581	1381	3	Amber	Warning	Fuel Supply Pump Inlet Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
582	1381	4	Amber	Warning	Fuel Supply Pump Inlet Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1389	1381	15	Maintenance	Maintenance	Fuel Supply Pump Inlet Pressure - Data Valid but Above Normal Operational Range - Least Severe Level
1379	1381	17	Maintenance	Maintenance	Fuel Supply Pump Inlet Pressure - Data Valid but Below Normal Operational Range - Least Severe Level
583	1381	18	Amber	Warning	Fuel Supply Pump Inlet Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
345	1382	2	Maintenance	Maintenance	Fuel Filter (suction side) Differential Pressure - Data Erratic, Intermittent, or Incorrect
347	1382	3	Amber	Warning	Fuel Filter (suction side) Differential Pressure Circuit - Voltage Above Normal, or Shorted to High Source
348	1382	4	Amber	Warning	Fuel Filter (suction side) Differential Pressure Circuit - Voltage Below Normal, or Shorted to Low Source
344	1382	15	Maintenance	Maintenance	Fuel Filter (suction side) Differential Pressure - Data Valid but Above Normal Operational Range - Least Severe Level
659	1382	31	Maintenance	Maintenance	Fuel Filter (suction side) Differential Pressure Change Fuel Filter - Condition Exists
611	1383	31	None	None	Engine Shut Down Hot - Condition Exists
299	1384	31	Amber	Warning	SAE J1939 Engine Commanded Shutdown - Condition Exists
1387	1384	31	None	None	SAE J1939 Engine Commanded Shutdown - Condition Exists

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
1539	1387	3	Amber	Warning	Auxiliary Pressure Sensor Input 1 Circuit - Voltage Above Normal, or Shorted to High Source
1542	1387	3	Maintenance	Maintenance	Auxiliary Pressure Sensor Input 1 Circuit - Voltage Above Normal, or Shorted to High Source
1543	1387	4	Maintenance	Maintenance	Auxiliary Pressure Sensor Input 1 Circuit - Voltage Below Normal, or Shorted to Low Source
1621	1387	4	Amber	Warning	Auxiliary Pressure Sensor Input 1 Circuit - Voltage Below Normal, or Shorted to Low Source
1541	1387	11	Amber	Warning	Auxiliary Pressure Sensor Input 1 - Root Cause Not Known
1538	1387	14	Red	Stop / Shutdown	Auxiliary Pressure Sensor Input 1 - Special Instructions
1544	1387	14	Maintenance	Maintenance	Auxiliary Pressure Sensor Input 1 - Special Instructions
297	1388	3	Amber	Warning	Auxiliary Pressure Sensor Input 2 Circuit - Voltage Above Normal, or Shorted to High Source
1371	1388	3	Maintenance	Maintenance	Auxiliary Pressure Sensor Input 2 Circuit - Voltage Above Normal, or Shorted to High Source
298	1388	4	Amber	Warning	Auxiliary Pressure Sensor Input 2 Circuit - Voltage Below Normal, or Shorted to Low Source
1372	1388	4	Maintenance	Maintenance	Auxiliary Pressure Sensor Input 2 Circuit - Voltage Below Normal, or Shorted to Low Source
2194	1388	11	Amber	Warning	Auxiliary Pressure Sensor Input 2 Circuit - Root Cause Not Known
296	1388	14	Red	Stop / Shutdown	Auxiliary Pressure Sensor Input 2 - Special Instructions
1382	1388	14	Maintenance	Maintenance	Auxiliary Pressure Sensor Input 2 - Special Instructions
1827	1390	3	Amber	Warning	Engine Gas Control Valve Inlet Pressure - Voltage Above Normal, or Shorted to High Source
1828	1390	4	Amber	Warning	Engine Gas Control Valve Inlet Pressure - Voltage Below Normal, or Shorted to Low Source
2722	1390	16	Amber	Warning	Engine Gas Control Valve Inlet Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
2723	1390	18	Amber	Warning	Engine Gas Control Valve Inlet Pressure - Data Valid but Below Normal Operational Range - Moderately Severe Level
1761	1442	2	Red	Stop / Shutdown	Engine Electronic Fuel Valve 1 Position - Data Erratic, Intermittent, or Incorrect
1759	1443	2	Red	Stop / Shutdown	Engine Electronic Fuel Valve 2 Position - Data Erratic, Intermittent, or Incorrect
211	1484	31	None	None	Additional Auxiliary Diagnostic Codes logged - Condition Exists
1517	1484	31	Red	Stop / Shutdown	At Least One Module Has A Most Severe Fault - Condition Exists
1518	1484	31	Amber	Warning	At Least One Module Has A Moderately Severe Fault - Condition Exists
1519	1484	31	Maintenance	Maintenance	At Least One Module Has A Least Severe Fault - Condition Exists
2418	1550	3	Amber	Warning	Air Conditioner Compressor Driver Circuit - Voltage Above Normal, or Shorted to High Source
191	1550	11	Amber	Warning	Air Conditioner Compressor Clutch Control Circuit - Root Cause Not Known
747	1557	15	Maintenance	Maintenance	Electronic Control Module trend data memory is 90% full - Data Valid but Above Normal Operational Range - Least Severe Level
748	1557	16	Maintenance	Maintenance	Electronic Control Module trend data memory is full - Data Valid but Above Normal Operational Range - Moderately Severe Level
1256	1563	2	Amber	Warning	Control Module Identification Input State Error - Data Erratic, Intermittent, or Incorrect
1257	1563	2	Red	Stop / Shutdown	Control Module Identification Input State Error - Data Erratic, Intermittent, or Incorrect
784	1590	2	None	None	Adaptive Cruise Control Mode - Data Erratic, Intermittent, or Incorrect
2416	1634	13	Amber	Warning	Engine Control Module Calibration Memory Checksum - Out of Calibration
2412	1639	2	Amber	Warning	Fan Speed - Data Erratic, Intermittent, or Incorrect
772	1657	11	Amber	Warning	Injector Needle Lift Sensor 1 - Root Cause Not Known
773	1658	11	Amber	Warning	Injector Needle Lift Sensor 2 - Root Cause Not Known
2213	1659	3	Amber	Warning	Coolant System Thermostat Circuit - Voltage Above Normal, or Shorted to High Source
2214	1659	4	Amber	Warning	Coolant System Thermostat Circuit - Voltage Below Normal, or Shorted to Low Source
765	1659	7	Amber	Warning	Coolant System Thermostat - Mechanical System Not Responding Properly or Out of Adjustment
588	1660	3	Amber	Warning	Engine Automatic Start Alarm Circuit - Voltage Above Normal, or Shorted to High Source
589	1660	4	Amber	Warning	Engine Automatic Start Alarm Circuit - Voltage Below Normal, or Shorted to Low Source
198	1661	3	Amber	Warning	Engine Automatic Start Lamp Driver Circuit - Voltage Above Normal, or Shorted to High Source
199	1661	4	Amber	Warning	Engine Automatic Start Lamp Driver Circuit - Voltage Below Normal, or Shorted to Low Source
469	1662	2	Amber	Warning	Vehicle Cab Temperature Thermostat - Data Erratic, Intermittent, or Incorrect
542	1662	3	Amber	Warning	Vehicle Cab Temperature Thermostat Enable Circuit - Voltage Above Normal, or Shorted to High Source

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
543	1662	4	Amber	Warning	Vehicle Cab Thermostat Enable Circuit - Voltage Below Normal, or Shorted to Low Source
766	1663	3	Amber	Warning	Starter Interlock Safety Circuit - Voltage Above Normal, or Shorted to High Source
767	1663	4	Amber	Warning	Starter Interlock Safety Circuit - Voltage Below Normal, or Shorted to Low Source
541	1663	31	Amber	Warning	Starter Interlock Safety Circuit Incorrect Starting Conditions - Condition Exists
359	1664	31	Amber	Warning	Engine Failed Automatic Start - Condition Exists
2483	1675	7	Red	Stop / Shutdown	Engine Starter Mode Engagement - Mechanical System Not Responding Properly or Out of Adjustment
2482	1675	31	Red	Stop / Shutdown	Engine Starter Mode Before Ready Status - Condition Exists
1673	1761	1	Amber	Warning	Catalyst Tank Level - Data Valid but Below Normal Operational Range - Most Severe Level
1699	1761	2	Amber	Warning	Catalyst Tank Level Sensor - Data Erratic, Intermittent, or Incorrect
1669	1761	3	Amber	Warning	Catalyst Tank Level Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1668	1761	4	Amber	Warning	Catalyst Tank Level Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1672	1761	16	Amber	Warning	Catalyst Tank Level - Data Valid but Above Normal Operational Range - Moderately Severe Level
1671	1761	18	Maintenance	Maintenance	Catalyst Tank Level - Data Valid but Below Normal Operational Range - Moderately Severe Level
2413	1800	2	Amber	Warning	Battery 1 Temperature - Data Erratic, Intermittent, or Incorrect
2263	1800	16	Amber	Warning	Battery Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
2264	1800	18	Amber	Warning	Battery Temperature - Data Valid but Below Normal Operational Range - Moderately Severe Level
2241	1802	0	Red	Stop / Shutdown	Intake Manifold 5 Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
2242	1802	3	Amber	Warning	Intake Manifold 5 Temperature Circuit - Voltage Above Normal, or Shorted to High Source
2243	1802	4	Amber	Warning	Intake Manifold 5 Temperature Circuit - Voltage Below Normal, or Shorted to Low Source
2244	1802	10	Red	Stop / Shutdown	Intake Manifold 5 Temperature - Abnormal Rate of Change
1987	1802	16	Amber	Warning	Intake Manifold 5 Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
2245	1803	0	Red	Stop / Shutdown	Intake Manifold 6 Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
2246	1803	3	Amber	Warning	Intake Manifold 6 Temperature Circuit - Voltage Above Normal, or Shorted to High Source
2247	1803	4	Amber	Warning	Intake Manifold 6 Temperature Circuit - Voltage Below Normal, or Shorted to Low Source
2248	1803	10	Red	Stop / Shutdown	Intake Manifold 6 Temperature - Abnormal Rate of Change
1988	1803	16	Amber	Warning	Intake Manifold 6 Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
2761	1821	2	Amber	Warning	Position of Doors - Data Erratic, Intermittent, or Incorrect
2559	1845	9	Amber	Warning	Transmission ECU to ECM Communication - Abnormal Update Rate
2654	2433	0	Red	Stop / Shutdown	Engine Exhaust Gas Temperature - Right Manifold - Data Valid but Above Normal Operational Range - Most Severe Level
2651	2433	3	Maintenance	Maintenance	Engine Exhaust Gas Temperature - Right Manifold Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2652	2433	4	Maintenance	Maintenance	Engine Exhaust Gas Temperature - Right Manifold Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2653	2433	16	Amber	Warning	Engine Exhaust Gas Temperature - Right Manifold - Data Valid but Above Normal Operational Range - Moderately Severe Level
2658	2434	0	Red	Stop / Shutdown	Engine Exhaust Gas Temperature - Left Manifold - Data Valid but Above Normal Operational Range - Most Severe Level
2655	2434	3	Maintenance	Maintenance	Engine Exhaust Gas Temperature - Left Manifold Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2656	2434	4	Maintenance	Maintenance	Engine Exhaust Gas Temperature - Left Manifold Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2657	2434	16	Amber	Warning	Engine Exhaust Gas Temperature - Left Manifold - Data Valid but Above Normal Operational Range - Moderately Severe Level
1448	2436	1	Red	Stop / Shutdown	Generator AC Output Frequency - Data Valid but Below Normal Operational Range - Most Severe Level
1226	2436	8	Amber	Warning	Generator Average AC Frequency - Abnormal Frequency, Pulse Width, or Period
1449	2436	16	Amber	Warning	Generator AC Output Frequency - Data Valid but Above Normal Operational Range - Moderately Severe Level
1224	2440	16	Amber	Warning	Generator AC Output Voltage - Data Valid but Above Normal Operational Range - Moderately Severe Level
1225	2440	18	Amber	Warning	Generator AC Output Voltage - Data Valid but Below Normal Operational Range - Moderately Severe Level
1446	2444	0	Red	Stop / Shutdown	Generator AC Output Voltage - Data Valid but Above Normal Operational Range - Most Severe Level
1447	2444	1	Red	Stop / Shutdown	Generator AC Output Voltage - Data Valid but Below Normal Operational Range - Most Severe Level

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
1471	2448	6	Amber	Warning	AC Output Current has exceeded the Warning threshold for High Current - Current Above Normal, or Grounded Circuit
1472	2448	6	Red	Stop / Shutdown	AC Output Current has exceeded the Shutdown threshold for High Current - Current Above Normal, or Grounded Circuit
1445	2448	31	Red	Stop / Shutdown	Alternator Short Circuit (on GenSet) - Condition Exists
1838	2452	0	Red	Stop / Shutdown	kW Electrical Load Signal - Data Valid but Above Normal Operational Range - Most Severe Level
2454	2452	5	Amber	Warning	Generator Total Real Power Circuit - Current Below Normal, or Open Circuit
2453	2452	6	Amber	Warning	Generator Total Real Power Circuit - Current Above Normal, or Grounded Circuit
1444	2452	31	Amber	Warning	kW Overload (on GenSet) - Condition Exists
1223	2470	31	Amber	Warning	Utility Average AC Frequency Out of Range - Condition Exists
2329	2470	31	None	None	Utility Under Frequency - Condition Exists
2358	2474	15	None	None	Utility Voltage - Data Valid but Above Normal Operational Range - Least Severe Level
2331	2474	17	None	None	Utility Voltage - Data Valid but Below Normal Operational Range - Least Severe Level
1458	2516	31	Amber	Warning	Generator and Electric Bus phase sequences differ - Condition Exists
1451	2527	31	Amber	Warning	Generator Output Voltage and Electric Bus Voltage differ - Condition Exists
1456	2528	31	Amber	Warning	Electric Bus Voltage and/or Frequency are out of range for synchronizing to occur - Condition Exists
1457	2529	31	Amber	Warning	Generator synchronizing to Electric Bus Failed - Condition Exists
1239	2623	3	Amber	Warning	Accelerator Pedal or Lever Position Sensor 2 Circuit - Voltage Above Normal, or Shorted to High Source
1241	2623	4	Amber	Warning	Accelerator Pedal or Lever Position Sensor 2 Circuit - Voltage Below Normal, or Shorted to Low Source
2347	2629	15	None	None	Turbocharger Compressor Outlet Temperature (Calculated) - Data Valid but Above Normal Operational Range - Least Severe Level
2571	2630	3	Amber	Warning	Engine Charge Air Cooler Outlet Temperature - Voltage Above Normal, or Shorted to High Source
2572	2630	4	Amber	Warning	Engine Charge Air Cooler Outlet Temperature - Voltage Below Normal, or Shorted to Low Source
1776	2634	3	Amber	Warning	Power Relay Driver Circuit - Voltage Above Normal, or Shorted to High Source
1777	2634	4	Amber	Warning	Power Relay Driver Circuit - Voltage Below Normal, or Shorted to Low Source
2582	2657	11	Amber	Warning	Engine Auxiliary Cooling System Pump Circuit Breaker - Root Cause Not Known
1855	2659	16	Amber	Warning	EGR Mass Flow - Data Valid but Above Normal Operational Range - Moderately Severe Level
1856	2659	18	Amber	Warning	EGR Mass Flow - Data Valid but Below Normal Operational Range - Moderately Severe Level
2346	2789	15	None	None	Turbocharger Turbine Inlet Temperature (Calculated) - Data Valid but Above Normal Operational Range - Least Severe Level
2451	2789	16	None	None	Turbocharger Turbine Inlet Temperature (Calculated) - Data Valid but Above Normal Operational Range - Moderately Severe Level
2352	2791	3	Amber	Warning	EGR Valve Control Circuit - Voltage Above Normal, or Shorted to High Source
2351	2791	4	Amber	Warning	EGR Valve Control Circuit - Voltage Below Normal, or Shorted to Low Source
2349	2791	5	Amber	Warning	EGR Valve Control Circuit - Current Below Normal, or Open Circuit
2353	2791	6	Amber	Warning	EGR Valve Control Circuit - Current Above Normal, or Grounded Circuit
2357	2791	7	Amber	Warning	EGR Valve Control Circuit - Mechanical System Not Responding Properly or Out of Adjustment
1893	2791	9	Amber	Warning	EGR Valve Control Circuit - Abnormal Update Rate
1935	2791	11	Amber	Warning	EGR Actuator Driver Circuit - Root Cause Not Known
1895	2791	12	Amber	Warning	EGR Valve Controller - Bad Intelligent Device or Component
1896	2791	13	Amber	Warning	EGR Valve Controller - Out of Calibration
1961	2791	15	Amber	Warning	EGR Valve Control Circuit Calculated Over Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
1975	2791	15	None	None	EGR Valve Control Circuit Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
9121	2791	15	None	None	EGR Valve Control Circuit Calculated Over Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
1853	2791	31	Amber	Warning	EGR Valve Control Circuit - Condition Exists
2355	2792	3	Amber	Warning	VGT Air Control Shutoff Valve Circuit - Voltage Above Normal, or Shorted to High Source

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
2356	2792	4	Amber	Warning	VGT Air Control Shutoff Valve Circuit - Voltage Below Normal, or Shorted to Low Source
1229	2795	2	Amber	Warning	VGT Position Sensor - Data Erratic, Intermittent, or Incorrect
2381	2795	3	Amber	Warning	VGT Position Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2382	2795	4	Amber	Warning	VGT Position Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2388	2795	13	Amber	Warning	VGT Position Sensor Circuit - Out of Calibration
2419	2796	2	Amber	Warning	Transfer Case Selector Switch - Data Erratic, Intermittent, or Incorrect
2422	2796	3	Amber	Warning	Transfer Case Selector Switch Circuit - Voltage Above Normal, or Shorted to High Source
2421	2796	4	Amber	Warning	Transfer Case Selector Switch Circuit - Voltage Below Normal, or Shorted to Low Source
2423	2797	6	Amber	Warning	Injector Bank 1 Driver Circuit - Current Above Normal, or Grounded Circuit
2765	2797	13	None	None	Engine Injector Bank 1 Barcodes - Out of Calibration
2424	2798	6	Amber	Warning	Injector Bank 2 Driver Circuit - Current Above Normal, or Grounded Circuit
749	2802	15	Maintenance	Maintenance	Electronic Control Module fault code datalog is 90% full - Data Valid but Above Normal Operational Range - Least Severe Level
754	2802	16	Maintenance	Maintenance	Electronic Control Module fault code snapshot datalog is full - Data Valid but Above Normal Operational Range - Moderately Severe Level
757	2802	31	Amber	Warning	Electronic Control Module data lost - Condition Exists
2565	2807	2	Amber	Warning	Engine Fuel Shutoff Valve Driver 2 - Data Erratic, Intermittent, or Incorrect
1753	2807	3	Amber	Warning	Engine Fuel Shutoff Valve 2 Circuit - Voltage Above Normal, or Shorted to High Source
2298	2807	4	Amber	Warning	Engine Fuel Shutoff Valve Driver 2 Circuit - Voltage Below Normal, or Shorted to Low Source
1212	2807	11	Red	Stop / Shutdown	Engine Fuel Shutoff Valve Driver 2 Circuit - Root Cause Not Known
1832	2807	11	Red	Stop / Shutdown	Engine Fuel Shutoff Valve 2 Feedback Position Does Not Match Desired - Root Cause Not Known
1919	2946	2	Amber	Warning	Mixer Inlet Relative Humidity - Data Erratic, Intermittent, or Incorrect
1128	2946	3	Amber	Warning	Mixer Inlet Relative Humidity Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1129	2946	4	Amber	Warning	Mixer Inlet Relative Humidity Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1126	2946	16	Amber	Warning	Mixer Inlet Relative Humidity - Data Valid but Above Normal Operational Range - Moderately Severe Level
1127	2946	18	Amber	Warning	Mixer Inlet Relative Humidity - Data Valid but Below Normal Operational Range - Moderately Severe Level
174	2947	2	Amber	Warning	Fuel Rack Position 2 - Data Erratic, Intermittent, or Incorrect
179	2947	3	Amber	Warning	Fuel Rack Position Sensor 2 Circuit - Voltage Above Normal, or Shorted to High Source
181	2947	4	Amber	Warning	Fuel Rack Position Sensor 2 Circuit - Voltage Below Normal, or Shorted to Low Source
183	2947	5	Red	Stop / Shutdown	Fuel Rack Actuator Driver Position 2 Circuit - Current Below Normal, or Open Circuit
182	2947	6	Amber	Warning	Fuel Rack Actuator Driver Position 2 Circuit - Current Above Normal, or Grounded Circuit
2975	2947	11	Amber	Warning	Fuel Rack Position Sensor 2 Circuit - Root Cause Not Known
2427	2980	3	Amber	Warning	Gas Control Valve 1 Outlet Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2428	2980	4	Amber	Warning	Gas Control Valve 1 Outlet Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1836	2981	1	Red	Stop / Shutdown	Engine Coolant Pressure 2 Low Temperature Sensor - Data Valid but Below Normal Operational Range - Most Severe Level
2115	2981	3	Amber	Warning	Coolant Pressure 2 Circuit - Voltage Above Normal, or Shorted to High Source
2116	2981	4	Amber	Warning	Coolant Pressure 2 Circuit - Voltage Below Normal, or Shorted to Low Source
2117	2981	18	Amber	Warning	Coolant Pressure 2 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2429	2981	18	None	None	Engine Coolant Pressure (Low Temperature) - Data Valid but Below Normal Operational Range - Moderately Severe Level
1679	3031	2	Amber	Warning	Catalyst Tank Temperature - Data Erratic, Intermittent, or Incorrect
1678	3031	3	Amber	Warning	Catalyst Tank Temperature - Voltage Above Normal, or Shorted to High Source
1677	3031	4	Amber	Warning	Catalyst Tank Temperature - Voltage Below Normal, or Shorted to Low Source
1687	3050	0	Amber	Warning	Catalyst Over Temperature - Data Valid but Above Normal Operational Range - Most Severe Level
1982	3050	0	Red	Stop / Shutdown	Catalyst Over Temperature - Data Valid but Above Normal Operational Range - Most Severe Level

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
1994	3050	11	Amber	Warning	Catalyst Face Plugged - Root Cause Not Known
2637	3050	11	None	None	Catalyst Face Plugged - Root Cause Not Known
1691	3050	13	Amber	Warning	Catalyst Efficiency - Out of Calibration
2638	3050	13	None	None	Catalyst Efficiency - Out of Calibration
1983	3050	16	Amber	Warning	Catalyst Over Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
1664	3050	31	Amber	Warning	Catalyst Missing - Condition Exists
1995	3050	31	Red	Stop / Shutdown	Catalyst Missing - Condition Exists
2774	3058	31	Amber	Warning	Engine Exhaust Gas Recirculation (EGR) System - Condition Exists
1996	3064	0	Red	Stop / Shutdown	Aftertreatment Particulate Trap Matter - Data Valid but Above Normal Operational Range - Most Severe Level
1997	3064	15	Maintenance	Maintenance	Aftertreatment Particulate Trap Matter - Data Valid but Above Normal Operational Range - Least Severe Level
1998	3064	16	Amber	Warning	Aftertreatment Particulate Trap Matter - Data Valid but Above Normal Operational Range - Moderately Severe Level
1993	3064	31	Amber	Warning	Aftertreatment Particulate Trap Missing - Condition Exists
1884	3216	3	Amber	Warning	Aftertreatment Inlet NOx Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1885	3216	4	Amber	Warning	Aftertreatment Inlet NOx Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1861	3217	2	Amber	Warning	Aftertreatment Inlet Oxygen Concentration - Data Erratic, Intermittent, or Incorrect
1858	3217	3	Amber	Warning	Aftertreatment Inlet Oxygen Concentration Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1859	3217	4	Amber	Warning	Aftertreatment Inlet Oxygen Concentration Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2682	3217	9	Amber	Warning	Aftertreatment Inlet Oxygen Concentration Sensor Circuit - Abnormal Update Rate
2773	3226	0	Red	Stop / Shutdown	Aftertreatment Outlet NOx - Data Valid but Above Normal Operational Range - Most Severe Level
1886	3226	3	Amber	Warning	Aftertreatment Outlet NOx Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1887	3226	4	Amber	Warning	Aftertreatment Outlet NOx Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2772	3226	15	Amber	Warning	Aftertreatment Outlet NOx - Data Valid but Above Normal Operational Range - Least Severe Level
1864	3227	2	Amber	Warning	Aftertreatment Outlet Oxygen Concentration - Data Erratic, Intermittent, or Incorrect
1862	3227	3	Amber	Warning	Aftertreatment Outlet Oxygen Concentration Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1863	3227	4	Amber	Warning	Aftertreatment Outlet Oxygen Concentration Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2683	3227	9	Amber	Warning	Aftertreatment Outlet Oxygen Concentration Sensor Circuit - Abnormal Update Rate
1694	3234	2	Amber	Warning	Catalyst Exhaust NOx Sensor - Data Erratic, Intermittent, or Incorrect
1693	3234	3	Amber	Warning	Catalyst Exhaust NOx Sensor - Voltage Above Normal, or Shorted to High Source
1692	3234	4	Amber	Warning	Catalyst Exhaust NOx Sensor - Voltage Below Normal, or Shorted to Low Source
2771	3234	9	Amber	Warning	Aftertreatment Outlet NOx Sensor - Abnormal Update Rate
1966	3241	0	Red	Stop / Shutdown	Aftertreatment Exhaust Gas Temperature 1 - Data Valid but Above Normal Operational Range - Most Severe Level
1667	3241	2	Amber	Warning	Aftertreatment Exhaust Gas Temperature 1 - Data Erratic, Intermittent, or Incorrect
1666	3241	3	Amber	Warning	Aftertreatment Exhaust Gas Temperature 1 Circuit - Voltage Above Normal, or Shorted to High Source
1665	3241	4	Amber	Warning	Aftertreatment Exhaust Gas Temperature 1 Circuit - Voltage Below Normal, or Shorted to Low Source
1849	3241	10	Amber	Warning	Aftertreatment Exhaust Gas Temperature 1 - Abnormal Rate of Change
1717	3241	15	None	None	Aftertreatment Exhaust Gas Temperature 1 - Data Valid but Above Normal Operational Range - Least Severe Level
1965	3241	16	Amber	Warning	Aftertreatment Exhaust Gas Temperature 1 - Data Valid but Above Normal Operational Range - Moderately Severe Level
1663	3241	31	Amber	Warning	Aftertreatment Exhaust Gas Temperature 1 Swapped - Condition Exists
1973	3245	0	Red	Stop / Shutdown	Aftertreatment Exhaust Gas Temperature 3 - Data Valid but Above Normal Operational Range - Most Severe Level
1878	3245	2	Amber	Warning	Aftertreatment Exhaust Gas Temperature 3 - Data Erratic, Intermittent, or Incorrect
1876	3245	3	Amber	Warning	Aftertreatment Exhaust Gas Temperature 3 Circuit - Voltage Above Normal, or Shorted to High Source
1877	3245	4	Amber	Warning	Aftertreatment Exhaust Gas Temperature 3 Circuit - Voltage Below Normal, or Shorted to Low Source
1971	3245	15	None	None	Aftertreatment Exhaust Gas Temperature 3 - Data Valid but Above Normal Operational Range - Least Severe Level
1972	3245	16	Amber	Warning	Aftertreatment Exhaust Gas Temperature 3 - Data Valid but Above Normal Operational Range - Moderately Severe Level
1969	3249	0	Red	Stop / Shutdown	Aftertreatment Exhaust Gas Temperature 2 - Data Valid but Above Normal Operational Range - Most Severe Level
1676	3249	2	Amber	Warning	Aftertreatment Exhaust Gas Temperature 2 - Data Erratic, Intermittent, or Incorrect

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1675	3249	3	Amber	Warning	Aftertreatment Exhaust Gas Temperature 2 Circuit - Voltage Above Normal, or Shorted to High Source
1674	3249	4	Amber	Warning	Aftertreatment Exhaust Gas Temperature 2 Circuit - Voltage Below Normal, or Shorted to Low Source
1851	3249	10	Amber	Warning	Aftertreatment Exhaust Gas Temperature 2 - Abnormal Rate of Change
1967	3249	15	None	None	Aftertreatment Exhaust Gas Temperature 2 - Data Valid but Above Normal Operational Range - Least Severe Level
1968	3249	16	Amber	Warning	Aftertreatment Exhaust Gas Temperature 2 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2742	3249	17	None	None	Aftertreatment Exhaust Gas Temperature 2 - Data Valid but Below Normal Operational Range - Least Severe Level
2743	3249	18	Amber	Warning	Aftertreatment Exhaust Gas Temperature 2 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1922	3251	0	Red	Stop / Shutdown	Aftertreatment Particulate Filter Differential Pressure - Data Valid but Above Normal Operational Range - Most Severe Level
1883	3251	2	Amber	Warning	Aftertreatment Particulate Filter Differential Pressure Sensor - Data Erratic, Intermittent, or Incorrect
1879	3251	3	Amber	Warning	Aftertreatment Particulate Filter Differential Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1881	3251	4	Amber	Warning	Aftertreatment Particulate Filter Differential Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1981	3251	15	Amber	Warning	Aftertreatment Particulate Filter Differential Pressure - Data Valid but Above Normal Operational Range - Least Severe Level
2639	3251	15	None	None	Aftertreatment Particulate Filter Differential Pressure - Data Valid but Above Normal Operational Range - Least Severe Level
1921	3251	16	Amber	Warning	Aftertreatment Particulate Filter Differential Pressure - Data Valid but Above Normal Operational Range - Moderately Severe Level
1882	3251	31	Amber	Warning	Aftertreatment Particulate Filter Differential Pressure Sensor Autozero Failure - Condition Exists
1627	3351	3	Amber	Warning	BPV Valve Control Circuit - Voltage Above Normal, or Shorted to High Source
1626	3351	4	Amber	Warning	BPV Valve Control Circuit - Voltage Below Normal, or Shorted to Low Source
1629	3352	0	Amber	Warning	BPV Valve Drive - Data Valid but Above Normal Operational Range - Most Severe Level
1628	3352	2	Amber	Warning	BPV Valve Drive - Data Erratic, Intermittent, or Incorrect
1631	3352	3	Amber	Warning	BPV Valve Position Circuit - Voltage Above Normal, or Shorted to High Source
1632	3352	4	Amber	Warning	BPV Valve Position Circuit - Voltage Below Normal, or Shorted to Low Source
1653	3358	3	Amber	Warning	EGR Inlet Pressure - Voltage Above Normal, or Shorted to High Source
1642	3358	4	Amber	Warning	EGR Inlet Pressure Circuit - Voltage Below Normal, or Shorted to Low Source
1688	3360	12	Amber	Warning	Catalyst Tank Multi Sensor - Bad Intelligent Device or Component
2976	3361	2	Amber	Warning	Dosing Control Unit Temperature - Data Erratic, Intermittent, or Incorrect
1711	3361	9	Amber	Warning	Dosing Control Unit Datalink - Abnormal Update Rate
1681	3361	12	Amber	Warning	Catalyst Dosing Control Unit - Bad Intelligent Device or Component
1682	3362	31	Amber	Warning	Catalyst Reagent Dosing Unit Input Lines - Condition Exists
1683	3363	3	Amber	Warning	Catalyst Tank Heater Circuit - Voltage Above Normal, or Shorted to High Source
1684	3363	4	Amber	Warning	Catalyst Tank Heater Circuit - Voltage Below Normal, or Shorted to Low Source
1713	3363	16	Amber	Warning	Catalyst Tank Heater Circuit - Data Valid but Above Normal Operational Range - Moderately Severe Level
1712	3363	18	Amber	Warning	Catalyst Tank Heater Circuit - Data Valid but Below Normal Operational Range - Moderately Severe Level
1686	3364	3	Amber	Warning	Catalyst Tank Solution Quality Circuit - Voltage Above Normal, or Shorted to High Source
1685	3364	4	Amber	Warning	Catalyst Tank Solution Quality Circuit - Voltage Below Normal, or Shorted to Low Source
1715	3364	11	Amber	Warning	Catalyst Tank Solution Quality - Root Cause Not Known
1714	3364	13	Amber	Warning	Catalyst Tank Solution Quality - Out of Calibration
1652	3451	2	Amber	Warning	Engine Multiple Cylinder Spark Voltage - Data Erratic, Intermittent, or Incorrect
2286	3451	3	Amber	Warning	Engine Multiple Cylinder Spark Voltage Circuit - Voltage Above Normal, or Shorted to High Source
2287	3451	4	Amber	Warning	Engine Multiple Cylinder Spark Voltage Circuit - Voltage Below Normal, or Shorted to Low Source
1651	3451	15	None	None	Engine Multiple Cylinder Spark Voltage - Data Valid but Above Normal Operational Range - Least Severe Level
1649	3451	17	None	None	Engine Multiple Cylinder Spark Voltage - Data Valid but Below Normal Operational Range - Least Severe Level
2758	3464	0	Red	Stop / Shutdown	Electronic Throttle Control Actuator - Data Valid but Above Normal Operational Range - Most Severe Level

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
2759	3464	1	Red	Stop / Shutdown	Electronic Throttle Control Actuator - Data Valid but Below Normal Operational Range - Most Severe Level
175	3464	3	Red	Stop / Shutdown	Electronic Throttle Control Actuator Driver Circuit - Voltage Above Normal, or Shorted to High Source
176	3464	4	Red	Stop / Shutdown	Electronic Throttle Control Actuator Driver Circuit - Voltage Below Normal, or Shorted to Low Source
2752	3464	6	Red	Stop / Shutdown	Engine Throttle Control Actuator - Current Above Normal, or Grounded Circuit
177	3464	7	Red	Stop / Shutdown	Electronic Throttle Control Actuator - Mechanical System Not Responding Properly or Out of Adjustment
1738	3464	11	Amber	Warning	Engine Throttle Control Actuator - Root Cause Not Known
1737	3464	12	Red	Stop / Shutdown	Engine Throttle Control Actuator - Bad Intelligent Device or Component
1739	3464	31	Amber	Warning	Engine Throttle Control Actuator - Condition Exists
1745	3465	2	Red	Stop / Shutdown	Engine Throttle Control Actuator 2 - Data Erratic, Intermittent, or Incorrect
1743	3465	3	Red	Stop / Shutdown	Engine Throttle Control Actuator 2 Circuit - Voltage Above Normal, or Shorted to High Source
1744	3465	4	Red	Stop / Shutdown	Engine Throttle Control Actuator 2 Circuit - Voltage Below Normal, or Shorted to Low Source
1746	3465	7	Red	Stop / Shutdown	Engine Throttle Control Actuator 2 - Mechanical System Not Responding Properly or Out of Adjustment
1748	3465	11	Amber	Warning	Engine Throttle Control Actuator 2 - Root Cause Not Known
1747	3465	12	Red	Stop / Shutdown	Engine Throttle Control Actuator 2 - Bad Intelligent Device or Component
1749	3465	31	Amber	Warning	Engine Throttle Control Actuator 2 - Condition Exists
1765	3466	3	Amber	Warning	Engine Gas Control Valve Inlet Pressure 2 Circuit - Voltage Above Normal, or Shorted to High Source
1766	3466	4	Amber	Warning	Engine Gas Control Valve Inlet Pressure 2 Circuit - Voltage Below Normal, or Shorted to Low Source
1758	3467	2	Amber	Warning	Engine Gas Flow Rate Sensor 2 - Data Erratic, Intermittent, or Incorrect
1756	3467	3	Amber	Warning	Engine Gas Flow Rate Sensor 2 Circuit - Voltage Above Normal, or Shorted to High Source
1757	3467	4	Amber	Warning	Engine Gas Flow Rate Sensor 2 Circuit - Voltage Below Normal, or Shorted to Low Source
1754	3468	3	Amber	Warning	Engine Gas Temperature Sensor 2 Circuit - Voltage Above Normal, or Shorted to High Source
1755	3468	4	Amber	Warning	Engine Gas Temperature Sensor 2 Circuit - Voltage Below Normal, or Shorted to Low Source
1767	3469	3	Amber	Warning	Engine Gas Control Valve Outlet Pressure 2 Circuit - Voltage Above Normal, or Shorted to High Source
1768	3469	4	Amber	Warning	Engine Gas Control Valve Outlet Pressure 2 Circuit - Voltage Below Normal, or Shorted to Low Source
1926	3480	2	Amber	Warning	Aftertreatment Fuel Pressure Sensor - Data Erratic, Intermittent, or Incorrect
1927	3480	3	Amber	Warning	Aftertreatment Fuel Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1928	3480	4	Amber	Warning	Aftertreatment Fuel Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2778	3481	16	Amber	Warning	Aftertreatment Fuel Rate - Data Valid but Above Normal Operational Range - Moderately Severe Level
1925	3482	2	Amber	Warning	Aftertreatment Fuel Shutoff Valve 1 - Data Erratic, Intermittent, or Incorrect
1923	3482	3	Amber	Warning	Aftertreatment Fuel Shutoff Valve 1 Circuit - Voltage Above Normal, or Shorted to High Source
1924	3482	4	Amber	Warning	Aftertreatment Fuel Shutoff Valve 1 Circuit - Voltage Below Normal, or Shorted to Low Source
1963	3482	7	Amber	Warning	Aftertreatment Fuel Shutoff Valve 1 - Mechanical System Not Responding Properly or Out of Adjustment
2741	3482	31	Amber	Warning	Aftertreatment Fuel Shutoff Valve 1 Swapped - Condition Exists
1697	3489	3	Amber	Warning	Air Supply Actuator - Voltage Above Normal, or Shorted to High Source
1698	3489	4	Amber	Warning	Air Supply Actuator - Voltage Below Normal, or Shorted to Low Source
386	3509	3	Amber	Warning	Sensor Supply 1 Circuit - Voltage Above Normal, or Shorted to High Source
352	3509	4	Amber	Warning	Sensor Supply 1 Circuit - Voltage Below Normal, or Shorted to Low Source
227	3510	3	Amber	Warning	Sensor Supply 2 Circuit - Voltage Above Normal, or Shorted to High Source
187	3510	4	Amber	Warning	Sensor Supply 2 Circuit - Voltage Below Normal, or Shorted to Low Source
239	3511	3	Amber	Warning	Sensor Supply 3 Circuit - Voltage Above Normal, or Shorted to High Source
238	3511	4	Amber	Warning	Sensor Supply 3 Circuit - Voltage Below Normal, or Shorted to Low Source
2185	3512	3	Amber	Warning	Sensor Supply 4 Circuit - Voltage Above Normal, or Shorted to High Source
2186	3512	4	Amber	Warning	Sensor Supply 4 Circuit - Voltage Below Normal, or Shorted to Low Source
385	3513	3	Amber	Warning	Sensor Supply 5 Circuit - Voltage Above Normal, or Shorted to High Source
1695	3513	3	Amber	Warning	Sensor Supply 5 - Voltage Above Normal, or Shorted to High Source
1696	3513	4	Amber	Warning	Sensor Supply 5 - Voltage Below Normal, or Shorted to Low Source

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Cummins Fault Code	SPN	J1939 FMI	Lamp Color	Lamp Device	Cummins Description
444	3513	18	Amber	Warning	Sensor Supply 5 - Data Valid but Below Normal Operational Range - Moderately Severe Level
515	3514	3	Amber	Warning	Sensor Supply 6 Circuit - Voltage Above Normal, or Shorted to High Source
516	3514	4	Amber	Warning	Sensor Supply 6 Circuit - Voltage Below Normal, or Shorted to Low Source
2283	3548	15	Amber	Warning	Waste Oil Reservoir Level - Data Valid but Above Normal Operational Range - Least Severe Level
2153	3549	1	Red	Stop / Shutdown	Post-Oil Filter Pressure - Data Valid but Below Normal Operational Range - Most Severe Level
1377	3549	3	Maintenance	Maintenance	Post-Oil Filter Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2154	3549	3	Amber	Warning	Post-Oil Filter Pressure Sensor Circuit - Voltage Above Normal, or Shorted to High Source
1378	3549	4	Maintenance	Maintenance	Post-Oil Filter Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2155	3549	4	Amber	Warning	Post-Oil Filter Pressure Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
1785	3550	11	Amber	Warning	Engine Oil Priming Pump Manual On Switch - Root Cause Not Known
1835	3550	31	Amber	Warning	Engine Oil Priming Pump Breaker Tripped - Condition Exists
1789	3551	1	Red	Stop / Shutdown	Engine Oil Priming Pump Control Pre-Lubrication - Data Valid but Below Normal Operational Range - Most Severe Level
1774	3551	3	Amber	Warning	Engine Oil Priming Pump Control Circuit - Voltage Above Normal, or Shorted to High Source
1775	3551	4	Amber	Warning	Engine Oil Priming Pump Control Circuit - Voltage Below Normal, or Shorted to Low Source
1786	3551	11	Amber	Warning	Engine Oil Priming Pump Control - Root Cause Not Known
1788	3551	17	Amber	Warning	Engine Oil Priming Pump Control Maintenance Lubrication - Data Valid but Below Normal Operational Range - Least Severe Level
1787	3551	18	Amber	Warning	Engine Oil Priming Pump Control Post-Lubrication - Data Valid but Below Normal Operational Range - Moderately Severe Level
1815	3552	3	Amber	Warning	Engine Oil Pre-heater Control Circuit - Voltage Above Normal, or Shorted to High Source
1816	3552	4	Amber	Warning	Engine Oil Pre-heater Control Circuit - Voltage Below Normal, or Shorted to Low Source
1818	3552	11	Amber	Warning	Engine Oil Pre-heater Control Circuit - Root Cause Not Known
1817	3552	31	Amber	Warning	Engine Oil Pre-heater Control Circuit Breaker Tripped - Condition Exists
1778	3553	3	Amber	Warning	Engine Block/Coolant Pre-heater Control Circuit - Voltage Above Normal, or Shorted to High Source
1779	3553	4	Amber	Warning	Engine Block/Coolant Pre-heater Control Circuit - Voltage Below Normal, or Shorted to Low Source
1833	3553	31	Amber	Warning	Engine Block/Coolant Pre-heater Breaker Tripped - Condition Exists
1943	3555	17	None	None	Ambient Air Density - Data Valid but Below Normal Operational Range - Least Severe Level
1932	3556	2	Amber	Warning	Aftertreatment Fuel Injector 1 - Data Erratic, Intermittent, or Incorrect
1929	3556	3	Amber	Warning	Aftertreatment Fuel Injector 1 Circuit - Voltage Above Normal, or Shorted to High Source
1931	3556	4	Amber	Warning	Aftertreatment Fuel Injector 1 Circuit - Voltage Below Normal, or Shorted to Low Source
1977	3556	5	Amber	Warning	Aftertreatment Fuel Injector 1 Circuit - Current Below Normal, or Open Circuit.
1964	3556	7	Amber	Warning	Aftertreatment Fuel Injector 1 - Mechanical System Not Responding Properly or Out of Adjustment
2728	3556	16	None	None	Aftertreatment Fuel Injector 1 - Data Valid but Above Normal Operational Range - Moderately Severe Level
1939	3597	3	Amber	Warning	ECU Power Output Supply Voltage 1 - Voltage Above Normal, or Shorted to High Source
1941	3597	4	Amber	Warning	ECU Power Output Supply Voltage 1 - Voltage Below Normal, or Shorted to Low Source
1938	3597	18	Amber	Warning	ECU Power Output Supply Voltage 1 - Data Valid but Below Normal Operational Range - Moderately Severe Level
1936	3598	3	Amber	Warning	ECU Power Output Supply Voltage 2 - Voltage Above Normal, or Shorted to High Source
1937	3598	4	Amber	Warning	ECU Power Output Supply Voltage 2 - Voltage Below Normal, or Shorted to Low Source
1933	3598	16	Amber	Warning	ECU Power Output Supply Voltage 2 - Data Valid but Above Normal Operational Range - Moderately Severe Level
1934	3598	18	Amber	Warning	ECU Power Output Supply Voltage 2 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2645	3673	2	Red	Stop / Shutdown	Throttle Plate Position Sensor 1 and 2 - Data Erratic, Intermittent, or Incorrect
2643	3673	3	Amber	Warning	Throttle Position 2 Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2644	3673	4	Amber	Warning	Throttle Position 2 Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2777	3703	31	None	None	Particulate Trap Active Regeneration Inhibited Due to Inhibit Switch - Condition Exists
2692	3936	2	Amber	Warning	Aftertreatment Diesel Particulate Filter System - Data Erratic, Intermittent, or Incorrect
2732	4097	3	Amber	Warning	Aftertreatment Fuel Drain Valve Circuit - Voltage Above Normal, or Shorted to High Source

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2733	4097	4	Amber	Warning	Aftertreatment Fuel Drain Valve Circuit - Voltage Below Normal, or Shorted to Low Source
1481	520195	5	Amber	Warning	Automatic Voltage Regulator Driver - Current Below Normal, or Open Circuit
1331	520195	6	Amber	Warning	Automatic Voltage Regulator Driver - Current Above Normal, or Grounded Circuit
1329	520195	31	Amber	Warning	Automatic Voltage Regulator Lost DC Power Supply - Condition Exists
1951	520196	31	Amber	Warning	PLC Internal Battery - Condition Exists
1952	520197	31	Red	Stop / Shutdown	PLC Input or Output Card - Condition Exists
1954	520198	31	Red	Stop / Shutdown	Generator Alternator Diode - Condition Exists
193	520199	3	Amber	Warning	Cruise Control (Resistive) Signal Circuit - Voltage Above Normal, or Shorted to High Source
194	520199	4	Amber	Warning	Cruise Control (Resistive) Signal Circuit - Voltage Below Normal, or Shorted to Low Source
1435	520203	31	Amber	Warning	Engine Cold - Potential Starting Problem - Condition Exists
1436	520204	31	Amber	Warning	HPI-PT Fuel System Drivers Common Diagnostic has detected an error - Condition Exists
1438	520205	31	Red	Stop / Shutdown	Fail to Crank - Condition Exists
1461	520207	31	Red	Stop / Shutdown	Loss of electric field due to reverse KVAR - Condition Exists
1462	520208	31	Amber	Warning	High Current on ground circuit - Condition Exists
1469	520209	31	Red	Stop / Shutdown	GenSet Measured Speed and AC Output Frequency Conflict - Condition Exists
1473	520210	31	Red	Stop / Shutdown	Electronic Control Module Watchdog has Failed - Condition Exists
1474	520211	31	Red	Stop / Shutdown	Software version mismatch has occurred in the ECM between base board and the extended I/O board - Condition Exists
1547	520212	31	Amber	Warning	Engine Flywheel Speed/Position Lost - Condition Exists
2211	520214	3	Amber	Warning	Fuel Heater Signal Circuit - Voltage Above Normal, or Shorted to High Source
2212	520214	4	Amber	Warning	Fuel Heater Signal Circuit - Voltage Below Normal, or Shorted to Low Source
2253	520215	3	Amber	Warning	Interstage Air Pressure 1 Circuit - Voltage Above Normal, or Shorted to High Source
2254	520215	4	Amber	Warning	Interstage Air Pressure 1 Circuit - Voltage Below Normal, or Shorted to Low Source
2251	520215	16	Amber	Warning	Interstage Air Pressure 1 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2252	520215	18	Amber	Warning	Interstage Air Pressure 1 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2257	520216	3	Amber	Warning	Interstage Air Pressure 2 Circuit - Voltage Above Normal, or Shorted to High Source
2258	520216	4	Amber	Warning	Interstage Air Pressure 2 Circuit - Voltage Below Normal, or Shorted to Low Source
2255	520216	16	Amber	Warning	Interstage Air Pressure 2 - Data Valid but Above Normal Operational Range - Moderately Severe Level
2256	520216	18	Amber	Warning	Interstage Air Pressure 2 - Data Valid but Below Normal Operational Range - Moderately Severe Level
2341	520217	15	None	None	Genset Controller Internal Temperature - Data Valid but Above Normal Operational Range - Least Severe Level
2396	520218	31	None	None	Utility Contact failed to close - Condition Exists
2397	520218	31	None	None	Utility Contact failed to open - Condition Exists
2566	520219	11	Amber	Warning	Engine Common AC Power Circuit Breaker - Root Cause Not Known
2579	520220	11	Amber	Warning	Radiator Fan Circuit Breaker - Root Cause Not Known
2583	520221	11	Red	Stop / Shutdown	External Oil Pump Circuit Breaker - Root Cause Not Known
518	520225	3	Amber	Warning	Power Steering Fluid Temperature Sensor Circuit - Voltage Above Normal, or Shorted to High Source
519	520225	4	Amber	Warning	Power Steering Fluid Temperature Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
762	520226	16	Amber	Warning	Real Time Clock Backup Battery Voltage - Data Valid but Above Normal Operational Range - Moderately Severe Level
763	520226	18	Amber	Warning	Real Time Clock Backup Battery Voltage - Data Valid but Below Normal Operational Range - Moderately Severe Level
2328	520227	31	None	None	Utility Available for Loading - Condition Exists
2332	520228	31	None	None	Utility Connected to Load - Condition Exists
1219	520229	31	Amber	Warning	Utility Circuit Breaker Tripped - Condition Exists
1455	520230	31	Red	Stop / Shutdown	Utility Circuit Breaker Position Contact selected is incorrect for Generator Application - Condition Exists
1221	520231	31	Amber	Warning	Utility Circuit Breaker Position Contact Failed - Condition Exists
1328	520232	31	Amber	Warning	Generator Circuit Breaker has tripped - Condition Exists
1452	520233	31	Red	Stop / Shutdown	Generator Circuit Breaker Failed to Close - Condition Exists
1453	520234	31	Red	Stop / Shutdown	Generator Circuit Breaker Failed to Open - Condition Exists

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1454	520235	31	Amber	Warning	Generator Circuit Breaker Position Contact Failed - Condition Exists
1573	520236	31	None	None	GenSet Customer Defined Fault 1 - Condition Exists
1312	520237	31	None	None	GenSet Customer Defined Fault 2 - Condition Exists
1317	520238	31	None	None	GenSet Customer Defined Fault 3 - Condition Exists
1318	520239	31	None	None	GenSet Customer Defined Fault 4 - Condition Exists
1313	520240	31	None	None	GenSet Customer Defined Network Fault 1 - Condition Exists
1314	520241	31	None	None	GenSet Customer Defined Network Fault 2 - Condition Exists
1315	520242	31	None	None	GenSet Customer Defined Network Fault 3 - Condition Exists
1316	520243	31	None	None	GenSet Customer Defined Network Fault 4 - Condition Exists
2323	520244	31	None	None	GenSet Customer Defined Network Fault 5 - Condition Exists
2324	520245	31	None	None	GenSet Customer Defined Network Fault 6 - Condition Exists
2325	520246	31	None	None	GenSet Customer Defined Network Fault 7 - Condition Exists
2326	520247	31	None	None	GenSet Customer Defined Network Fault 8 - Condition Exists
1123	520248	31	Red	Stop / Shutdown	Shutdown After Battle Short - Condition Exists
1131	520248	31	Amber	Warning	Battle Short Mode Active - Condition Exists
1124	520249	31	Amber	Warning	Delayed Shutdown - Condition Exists
1132	520250	31	None	None	Genset Controlled Shutdown In Process - Condition Exists
1244	520251	31	Red	Stop / Shutdown	Engine Normal Shutdown - Condition Exists
1245	520251	31	Red	Stop / Shutdown	Engine Shutdown - Condition Exists
1416	520251	31	Amber	Warning	Fail to Shutdown - Condition Exists
1247	520252	31	Red	Stop / Shutdown	Engine Shutdown Not Announced - Condition Exists
1336	520253	31	Red	Stop / Shutdown	Normal engine shutdown cooldown complete - Condition Exists
1341	520254	31	Amber	Warning	Paralleling Controller has requested a Generator Shutdown - Condition Exists
1425	520255	31	Amber	Warning	Common Shutdown Relay Driver Diagnostic has detected an error - Condition Exists
1495	520255	31	Amber	Warning	Common Shutdown Output Relay Driver Diagnostic has detected an error - Condition Exists
1427	520256	31	Amber	Warning	Overspeed Shutdown Relay Driver Diagnostic has detected an error - Condition Exists
1428	520257	31	Amber	Warning	Low Oil Pressure (LOP) Shutdown Relay Driver Diagnostic has detected an error - Condition Exists
1429	520258	31	Amber	Warning	High Engine Temperature (HET) Shutdown Relay Driver Diagnostic has detected an error - Condition Exists
1489	520259	31	Amber	Warning	'Shutdown' LED Driver Diagnostic has detected an error - Condition Exists
1183	520260	3	Amber	Warning	Transmission Solenoid Relay Driver 1 Circuit - Voltage Above Normal, or Shorted to High Source
1184	520260	4	Amber	Warning	Transmission Solenoid Relay Driver 1 Circuit - Voltage Below Normal, or Shorted to Low Source
669	520261	31	Maintenance	Maintenance	Change Coolant Filter - Condition Exists
679	520262	31	Maintenance	Maintenance	Change Coolant - Condition Exists
756	520263	31	Maintenance	Maintenance	Lubricating oil filters require changing - Condition Exists
614	520264	18	Amber	Warning	Excessive Operation at Low Coolant Temperature - Data Valid but Below Normal Operational Range - Moderately Severe Level
1122	520265	31	None	None	Rated to Idle Transition Delay - Condition Exists
1222	520266	31	Amber	Warning	Power Transfer Control Not In Automatic Mode - Condition Exists
1321	520267	31	Amber	Warning	Common Warning Output Relay Driver Diagnostic has detected an error - Condition Exists
1326	520268	31	Amber	Warning	Backup Starter Disconnect has failed to disengage starter - Condition Exists
1337	520269	31	None	None	Wink command received from another node on the Lonworks - Condition Exists
1415	520270	31	Amber	Warning	Run Relay Driver Diagnostic has detected an error - Condition Exists
1418	520271	3	Amber	Warning	Gain Adjust Potentiometer Circuit - Voltage Above Normal, or Shorted to High Source
1421	520272	31	Amber	Warning	Timing Rail Driver 1 Diagnostic has detected an error - Condition Exists
1422	520273	31	Amber	Warning	Timing Rail Driver 2 Diagnostic has detected an error - Condition Exists
1424	520274	31	Amber	Warning	Relay High Side Driver Diagnostic has detected an error - Condition Exists

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2693	520275	2	Amber	Warning	Generator Speed / Load Governing Bias Circuit - Data Erratic, Intermittent, or Incorrect
1978	520275	3	Amber	Warning	Generator Speed / Load Governing Bias Circuit - Voltage Above Normal, or Shorted to High Source
1979	520275	4	Amber	Warning	Generator Speed / Load Governing Bias Circuit - Voltage Below Normal, or Shorted to Low Source
1989	520276	31	Amber	Warning	Real Power (kW) - Failure to Meet Demand - Condition Exists
1991	520277	31	Amber	Warning	Reactive Power (kVAR) - Failure to Meet Demand - Condition Exists
1999	520278	16	Amber	Warning	Genset Paralleling Time - Data Valid but Above Normal Operational Range - Moderately Severe Level
1411	520279	3	Amber	Warning	Generator Output Frequency Adjust Potentiometer Circuit - Voltage Above Normal, or Shorted to High Source
1412	520280	3	Amber	Warning	Droop Adjust Potentiometer Circuit - Voltage Above Normal, or Shorted to High Source
1431	520281	31	Amber	Warning	Pre-Low Oil Pressure Warning Relay Driver Diagnostic has detected an error - Condition Exists
1432	520282	31	Amber	Warning	Pre-High Engine Temperature Warning Relay Driver Diagnostic has detected an error - Condition Exists
2284	520283	3	Amber	Warning	EGR Cooler Bypass Actuator Position Circuit - Voltage Above Normal, or Shorted to High Source
2285	520283	4	Amber	Warning	EGR Cooler Bypass Actuator Position Circuit - Voltage Below Normal, or Shorted to Low Source
9123	520290	31	Amber	Warning	Maintenance Action Required - Condition Exists
2289	520291	2	Amber	Warning	Keyswitch Status - Data Erratic, Intermittent, or Incorrect
1459	520292	31	Red	Stop / Shutdown	Generator is absorbing Power from the Electric Bus (High reverse KW) - Condition Exists
2548	520292	31	Amber	Warning	Generator is absorbing Power from the Electric Bus (High reverse KW) - Condition Exists
2452	520293	31	None	None	Fuel Burn Off Active - Condition Exists
2542	520294	2	Amber	Warning	Generator Bias Signal - Data Erratic, Intermittent, or Incorrect
2539	520294	3	Amber	Warning	Generator Voltage Bias Circuit - Voltage Above Normal, or Shorted to High Source
2541	520294	4	Amber	Warning	Generator Voltage Bias Circuit - Voltage Below Normal, or Shorted to Low Source
2648	520295	31	Amber	Warning	Genset Controller Remote IO Communication Circuit - Condition Exists
2649	520296	12	Amber	Warning	Genset Controller Priority Arbitration Logic - Bad Intelligent Device or Component
2663	520297	31	Amber	Warning	Auxiliary Device 2 Input 1 Active - Condition Exists
2664	520298	31	Amber	Warning	Auxiliary Device 2 Input 2 Active - Condition Exists
2665	520299	31	Amber	Warning	Auxiliary Device 2 Input 3 Active - Condition Exists
2666	520300	31	Amber	Warning	Auxiliary Device 2 Input 4 Active - Condition Exists
2667	520301	31	Amber	Warning	Auxiliary Device 2 Input 5 Active - Condition Exists
2668	520302	31	Amber	Warning	Auxiliary Device 2 Input 6 Active - Condition Exists
2669	520303	31	Amber	Warning	Auxiliary Device 2 Input 7 Active - Condition Exists
2671	520304	31	Amber	Warning	Auxiliary Device 2 Input 8 Active - Condition Exists
2672	520305	31	Amber	Warning	Auxiliary Device 2 Input 9 Active - Condition Exists
2673	520306	31	Amber	Warning	Auxiliary Device 2 Input 10 Active - Condition Exists
2674	520307	31	Amber	Warning	Auxiliary Device 2 Input 11 Active - Condition Exists
2675	520308	31	Amber	Warning	Auxiliary Device 2 Input 12 Active - Condition Exists
2676	520309	2	Amber	Warning	Alternator Frequency - Data Erratic, Intermittent, or Incorrect
2677	520310	31	Amber	Warning	Generator Shutdown Malfunction - Condition Exists
2678	520311	31	Amber	Warning	Battery Charger Failure - Condition Exists
2679	520312	2	Amber	Warning	Engine ECM to Genset PLC Communication - Data Erratic, Intermittent, or Incorrect
2681	520313	2	Amber	Warning	Genset Control HMI to PLC Communication - Data Erratic, Intermittent, or Incorrect
2686	520314	3	Amber	Warning	Aftertreatment Inlet Oxygen Concentration Sensor Heater - Voltage Above Normal, or Shorted to High Source
2687	520314	4	Amber	Warning	Aftertreatment Inlet Oxygen Concentration Sensor Heater - Voltage Below Normal, or Shorted to Low Source
2684	520314	31	Amber	Warning	Aftertreatment Inlet Oxygen Concentration Sensor Heater - Condition Exists
2688	520315	3	Amber	Warning	Aftertreatment Outlet Oxygen Concentration Sensor Heater - Voltage Above Normal, or Shorted to High Source
2689	520315	4	Amber	Warning	Aftertreatment Inlet Oxygen Concentration Sensor Heater - Voltage Below Normal, or Shorted to Low Source
2685	520315	31	Amber	Warning	Aftertreatment Outlet Oxygen Concentration Sensor Heater - Condition Exists
2691	520316	31	Amber	Warning	NOX Adsorption Catalyst Efficiency - Condition Exists

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2694	520318	2	Amber	Warning	Alternator Temperature - Data Erratic, Intermittent, or Incorrect
2695	520318	16	Amber	Warning	Alternator Temperature - Data Valid but Above Normal Operational Range - Moderately Severe Level
2698	520319	12	Amber	Warning	Engine Speed Calculation - Bad Intelligent Device or Component
2699	520320	7	Amber	Warning	Crankcase Depression Valve - Mechanical System Not Responding Properly or Out of Adjustment
2713	520321	1	Red	Stop / Shutdown	Alternator Voltage - Data Valid but Below Normal Operational Range - Most Severe Level
2744	520321	2	Amber	Warning	Alternator Voltage - Data Erratic, Intermittent, or Incorrect
2711	520321	16	Amber	Warning	Alternator Voltage - Data Valid but Above Normal Operational Range - Moderately Severe Level
2712	520321	18	Amber	Warning	Alternator Voltage - Data Valid but Below Normal Operational Range - Moderately Severe Level
2714	520322	7	Amber	Warning	Engine Fuel Dump Valve - Mechanical System Not Responding Properly or Out of Adjustment
2715	520323	31	Amber	Warning	Fuel System Shutdown Failure - Condition Exists
2717	520324	31	Amber	Warning	Governor Fueling Error - Condition Exists
2718	520325	31	Amber	Warning	Brake and Throttle Conflict - Condition Exists
2719	520326	31	Amber	Warning	Brake Inactivity - Condition Exists
2726	520327	7	Amber	Warning	Exhaust Gas Recirculation Cooler Bypass Valve - Mechanical System Not Responding Properly or Out of Adjustment
2729	520328	2	Amber	Warning	PCC Communication Network - Data Erratic, Intermittent, or Incorrect
2731	520328	2	Red	Stop / Shutdown	PCC Communication Network - Data Erratic, Intermittent, or Incorrect
2745	520329	3	Amber	Warning	Alternator Control Circuit - Voltage Above Normal, or Shorted to High Source
2746	520329	4	Amber	Warning	Alternator Control Circuit - Voltage Below Normal, or Shorted to Low Source
2747	520330	3	Amber	Warning	Alternator Voltage Sensor Circuit - Voltage Above Normal, or Shorted to High Source
2748	520330	4	Amber	Warning	Alternator Voltage Sensor Circuit - Voltage Below Normal, or Shorted to Low Source
2749	520331	5	Amber	Warning	Alternator Output Circuit - Current Below Normal, or Open Circuit
2755	520332	3	Amber	Warning	Cruise Control (Resistive) #2 Signal Circuit - Voltage Above Normal, or Shorted to High Source
2756	520332	4	Amber	Warning	Cruise Control (Resistive) #2 Signal Circuit - Voltage Below Normal, or Shorted to Low Source
2757	520333	31	None	None	Particulate Filter Regeneration Disabled for Oil Dilution - Condition Exists
2768	520334	2	Red	Stop / Shutdown	Engine Network Master Slave Communication - Data Erratic, Intermittent, or Incorrect
2769	520335	2	Red	Stop / Shutdown	Engine Network Slave Message - Data Erratic, Intermittent, or Incorrect