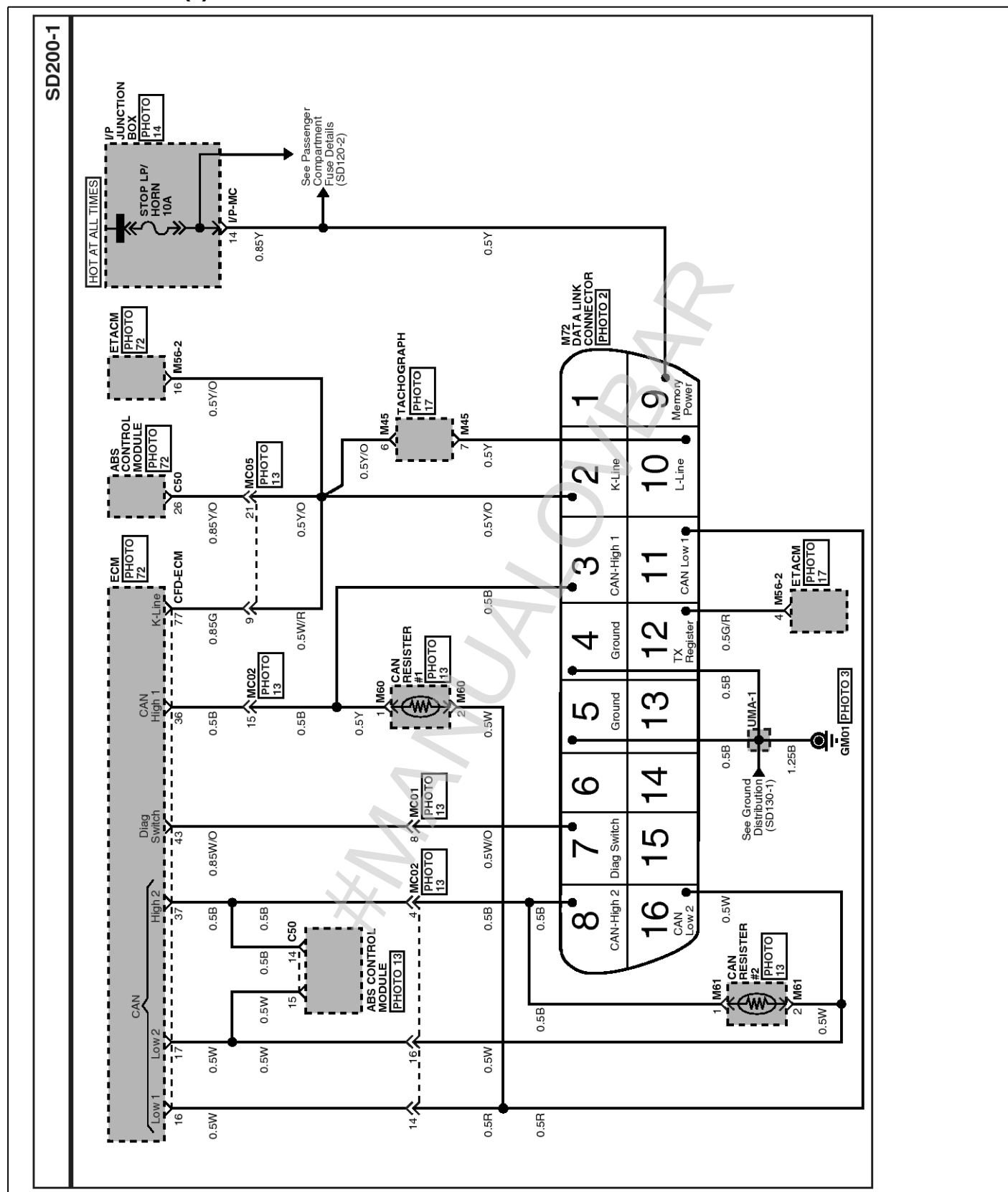
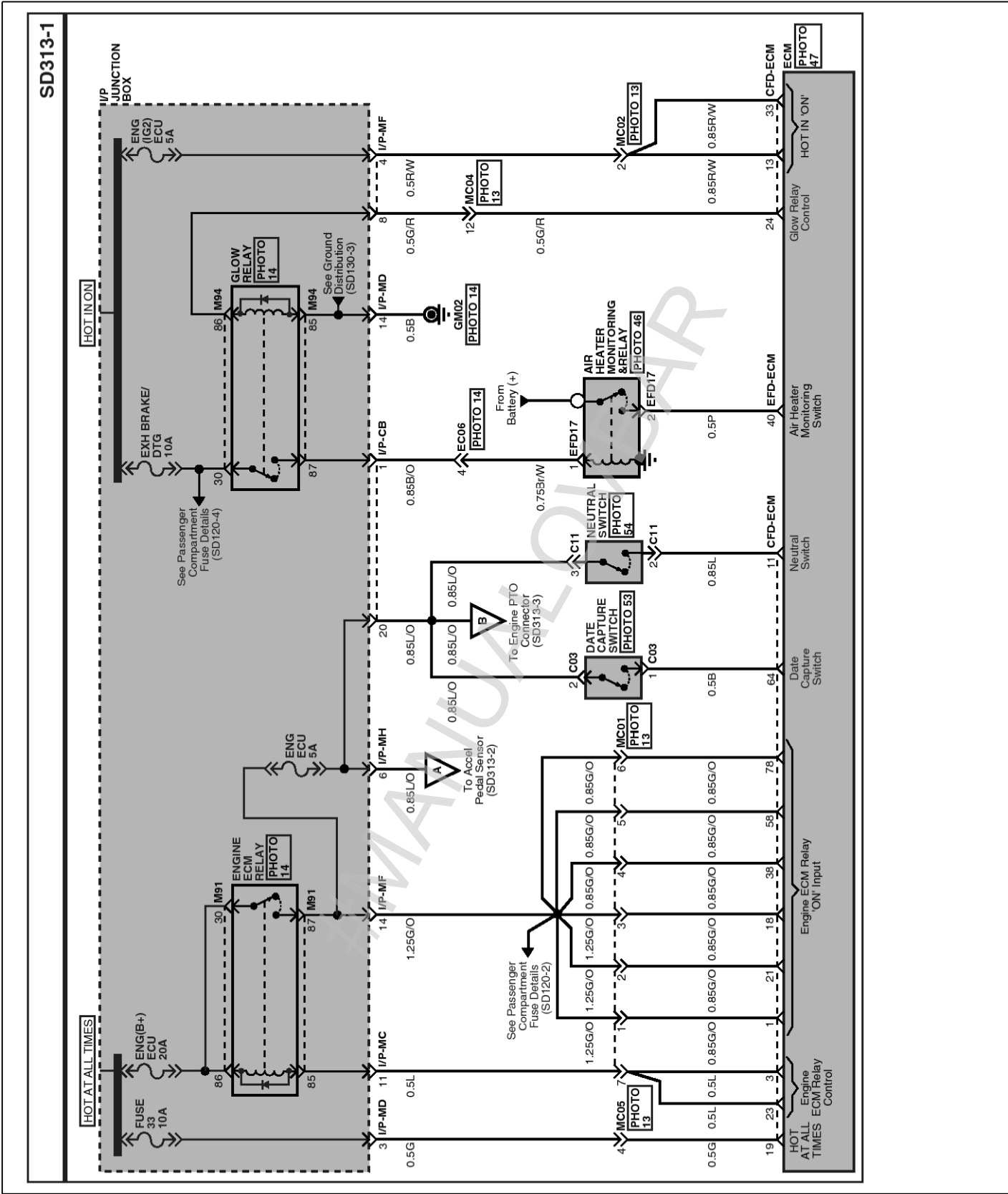


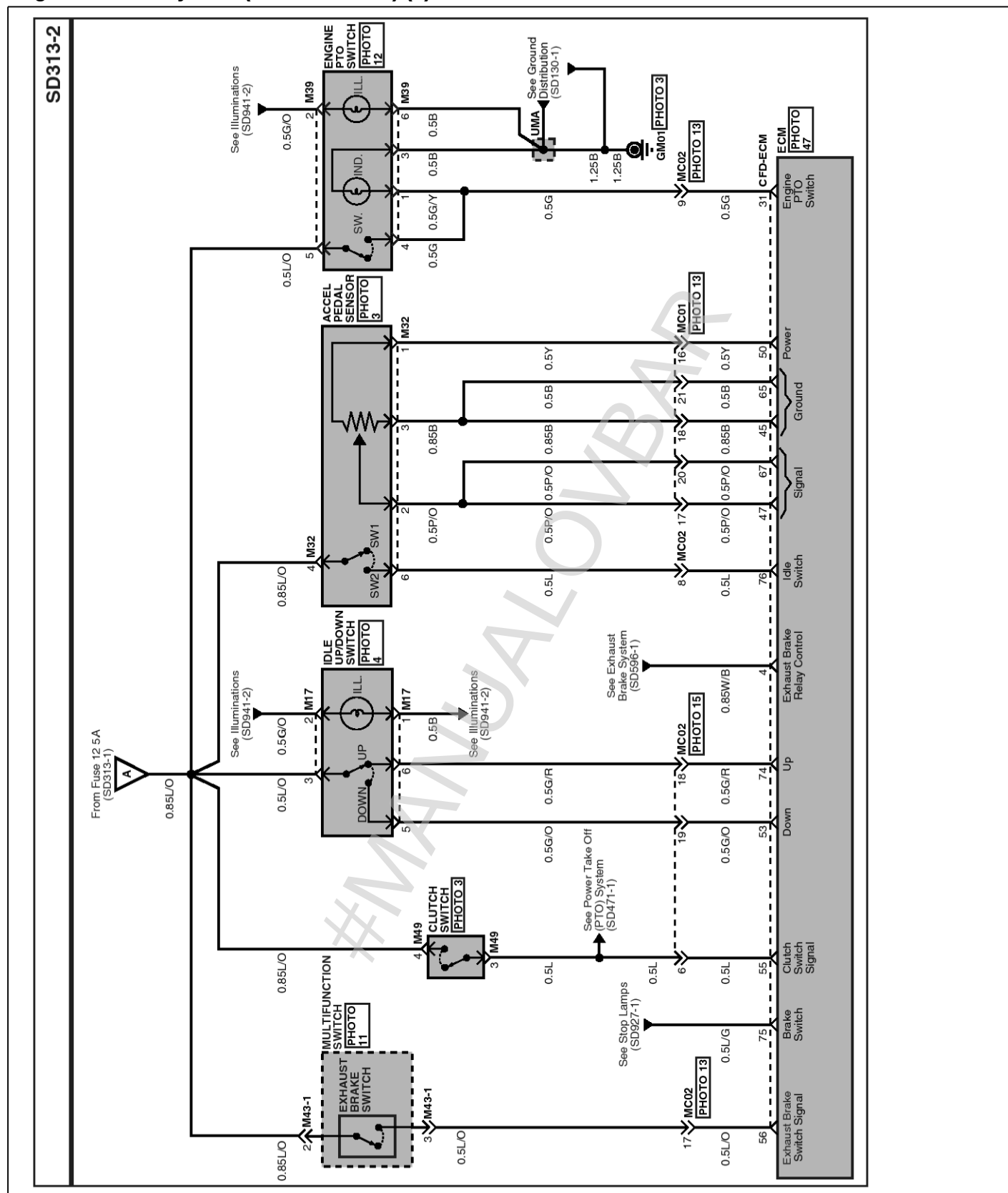


Data Link Details (2)

SD200-2																																																																																			
CFD-ECM		C50																																																																																	
CR80F003 <table><tr><td>61</td><td>62</td><td>*</td><td>64</td><td>65</td><td>*</td><td>67</td><td>68</td><td>*</td><td>70</td><td>71</td><td>72</td><td>*</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td></tr><tr><td>*</td><td>*</td><td>43</td><td>*</td><td>45</td><td>46</td><td>47</td><td>*</td><td>*</td><td>50</td><td>*</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>*</td><td>58</td><td>59</td><td>60</td></tr><tr><td>21</td><td>*</td><td>23</td><td>24</td><td>*</td><td>*</td><td>27</td><td>28</td><td>*</td><td>*</td><td>31</td><td>*</td><td>33</td><td>34</td><td>*</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr><tr><td>1</td><td>*</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>*</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr></table>		61	62	*	64	65	*	67	68	*	70	71	72	*	74	75	76	77	78	79	80	*	*	43	*	45	46	47	*	*	50	*	52	53	54	55	56	*	58	59	60	21	*	23	24	*	*	27	28	*	*	31	*	33	34	*	36	37	38	39	40	1	*	3	4	5	6	7	8	9	10	11	12	13	14	*	16	17	18	19	20	CR31B002	
61	62	*	64	65	*	67	68	*	70	71	72	*	74	75	76	77	78	79	80																																																																
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Engine Control System (D4GA : F-ENG) (1)





[illegible]

SD313-4

This wiring diagram illustrates the electrical system for the SD313-4 engine. It details the connections for various sensors and actuators, including injectors, temperature sensors, position sensors, and control valves. The diagram is organized into sections for different components, with wire colors and gauges specified for each connection. Key components include:

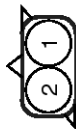
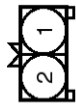
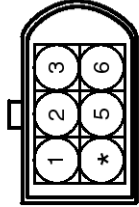
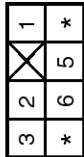
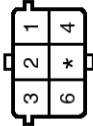
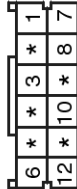
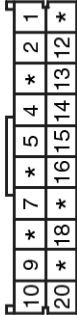
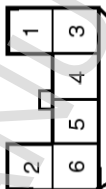
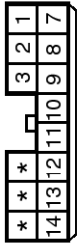
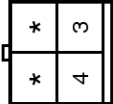
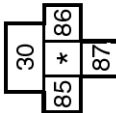
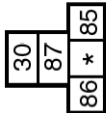
- INJECTOR #1, #2, #3, #4:** Each injector is connected to a common rail and ground. Wire colors and gauges are specified for each injector's power and ground lines.
- WATER TEMPERATURE SENSOR & SENDER (PHOTO 45):** Connected to the instrument cluster (PHOTO 7) via a 0.5Y/O wire (MC05) and a 0.85Y/O wire (EFD11-3). The sensor is also connected to ground (EFD07).
- FUEL TEMPERATURE SENSOR (PHOTO 45):** Connected to the instrument cluster (PHOTO 7) via a 0.5Y/O wire (MC05) and a 0.85Y/O wire (EFD11-3). The sensor is also connected to ground (EFD07).
- CRANKSHAFT POSITION SENSOR (PHOTO 63):** Connected to the instrument cluster (PHOTO 7) via a 0.5Y/O wire (MC05) and a 0.85Y/O wire (EFD11-3). The sensor is also connected to ground (EFD07).
- FUEL PRESSURE SENSOR (PHOTO 46):** Connected to the instrument cluster (PHOTO 7) via a 0.5Y/O wire (MC05) and a 0.85Y/O wire (EFD11-3). The sensor is also connected to ground (EFD07).
- BOOST PRESSURE & AIR TEMPERATURE SENSOR (PHOTO 49):** Connected to the instrument cluster (PHOTO 7) via a 0.5Y/O wire (MC05) and a 0.85Y/O wire (EFD11-3). The sensor is also connected to ground (EFD07).
- DC MOTOR (PHOTO 56):** Connected to the instrument cluster (PHOTO 7) via a 0.5Y/O wire (MC05) and a 0.85Y/O wire (EFD11-3). The motor is also connected to ground (EFD07).
- MASS AIR FLOW SENSOR (PHOTO 52):** Connected to the instrument cluster (PHOTO 7) via a 0.5Y/O wire (MC05) and a 0.85Y/O wire (EFD11-3). The sensor is also connected to ground (EFD07).
- ATS (PHOTO 47):** Connected to the instrument cluster (PHOTO 7) via a 0.5Y/O wire (MC05) and a 0.85Y/O wire (EFD11-3). The ATS is also connected to ground (EFD07).
- ECM (PHOTO 47):** Connected to the instrument cluster (PHOTO 7) via a 0.5Y/O wire (MC05) and a 0.85Y/O wire (EFD11-3). The ECM is also connected to ground (EFD07).

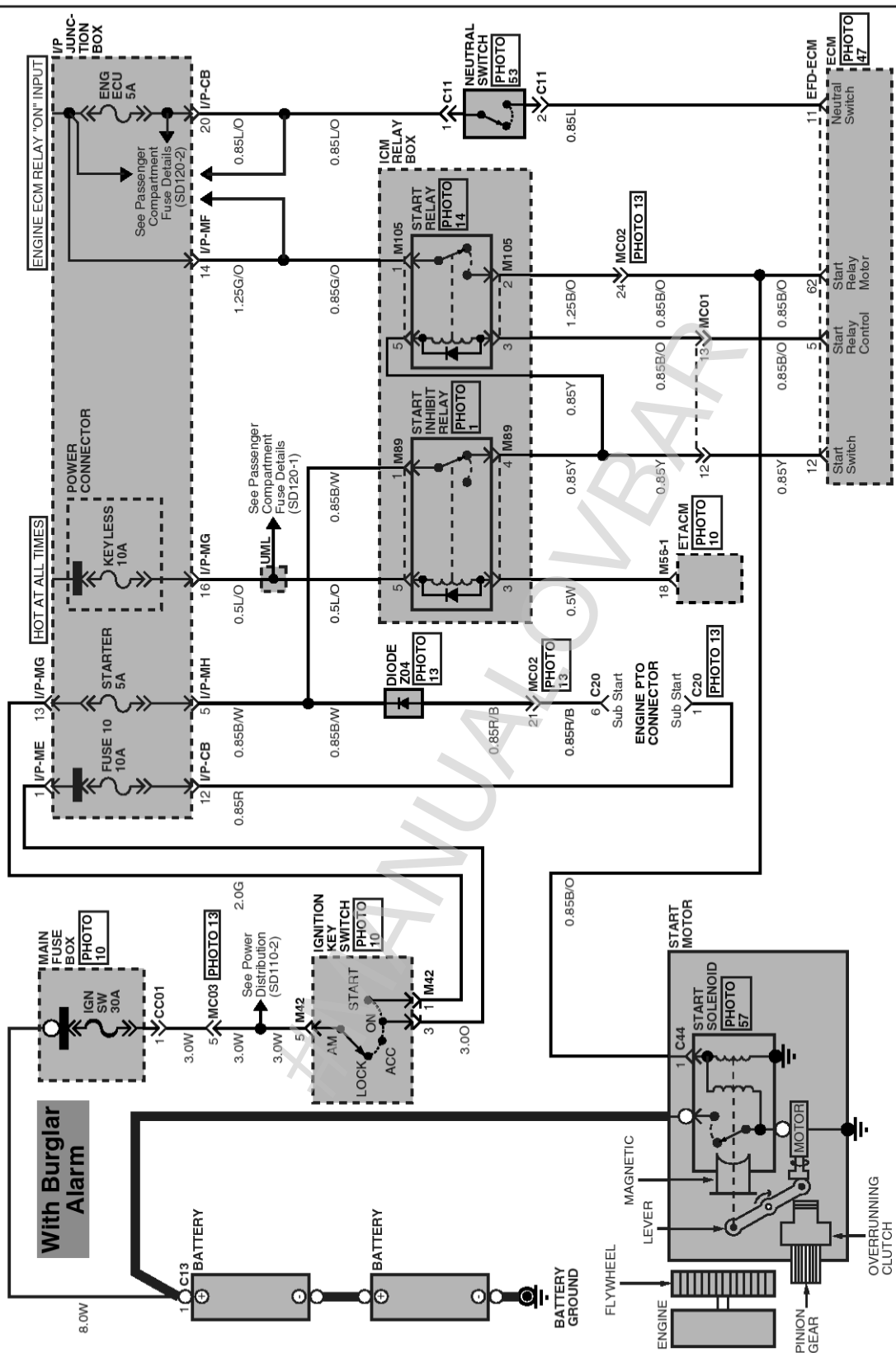
The diagram includes a legend for wire colors and gauges, and a list of components with their corresponding photo numbers. The components are arranged in a grid, with the instrument cluster at the top and the sensors and actuators below it.

Engine Control System (D4GA : F-ENG) (5)

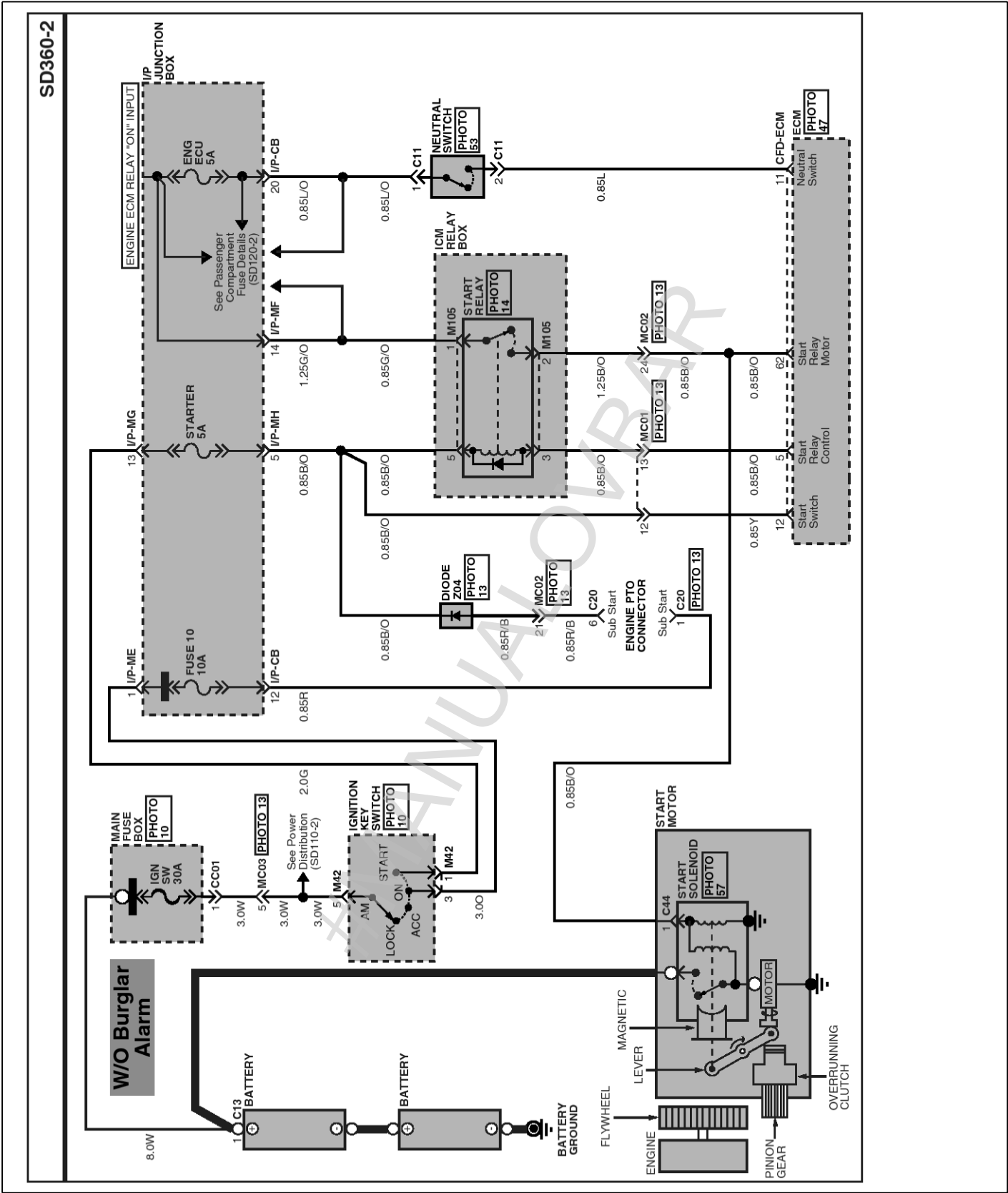
SD313-5																																																																																			
CFD-ECM		C03	C11																																																																																
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CR02F049		CR02F161																																																																																	
C21	C22	C74	BLANK																																																																																
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EFD-ECM		EFD03	EFD04																																																																																
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CR03F230		CR05F052																																																																																	
EFD07	EFD11-1	EFD11-2	EFD11-3																																																																																
CR03M019	CR02F152	CR02F152	CR02F152																																																																																
EFD11-4	EFD13	EFD14	EFD15																																																																																
CR02F152	CR03F230	CR04F091	CR02F152																																																																																

Engine Control System (D4GA : F-ENG) (6)

SD313-6					
EFD16	EFD17	EFD18	EFD19		
				CR06M017	
CR02F175	CR02F161	CR02F154			
M17	M32	M36-1	M36-2		
				CR12F033	CR16F043
CR07F002	CR06F043				
M36-3	M39	M43-1	M49		
				CR04F016	
CR20F067	CR06F017	CR14F019			
M91	M94	BLANK	BLANK		
					
CR05F019	CR05F011				

[illegible]

Starting System (2)



Starting System (3)

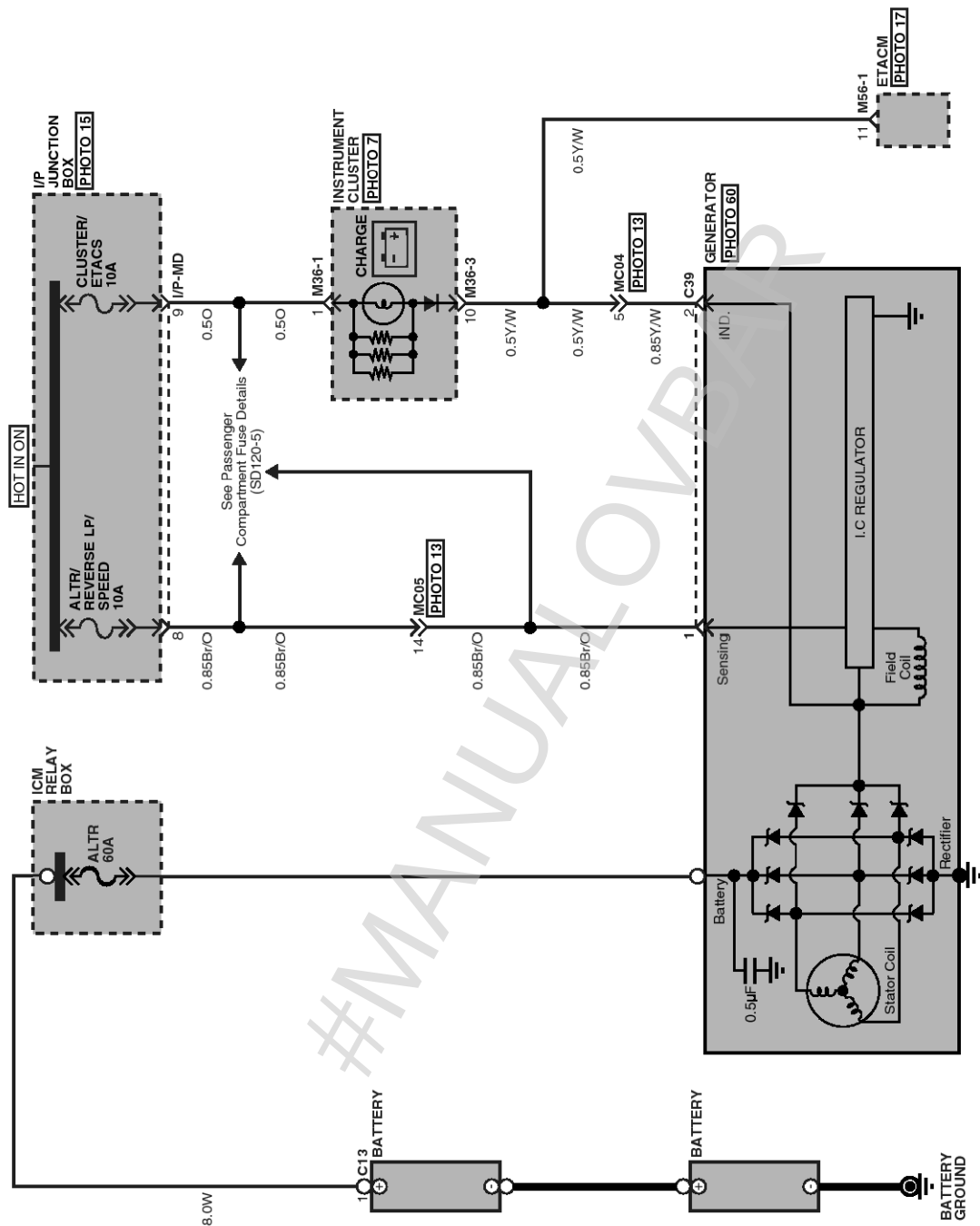
SD360-3			
CFD-ECM		C11	C13
CR80F003		CR02F161	CR01F034
C20	C44	M42	M56-1
CR10F022	CR01F035	CR06F037	CR26F028
M89	M105	BLANK	BLANK
CR05F011	CR05F011		

Charging System (1)

The diagram illustrates the charging system wiring, starting from the battery and connecting to the alternator, generator, and various control components. Key components and their connections include:

- Battery:** Connected to the system via a 10A fuse (C13).
- ICM RELAY BOX:** Contains an ALTR 60A component.
- JUNCTION BOX:** Contains a CLUSTER/ ETACS 10A component and a HOT IN ON terminal.
- ALTR/ REVERSE LP/ SPEED 10A:** A fuse protecting the alternator circuit.
- CHARGE:** A component in the INSTRUMENT CLUSTER.
- Generator:** Includes an I/C REGULATOR, Rectifier, Stator Coil, and Field Coil.
- IND.:** A component connected to the generator's field coil.
- ETACM:** A component connected to the generator's field coil.

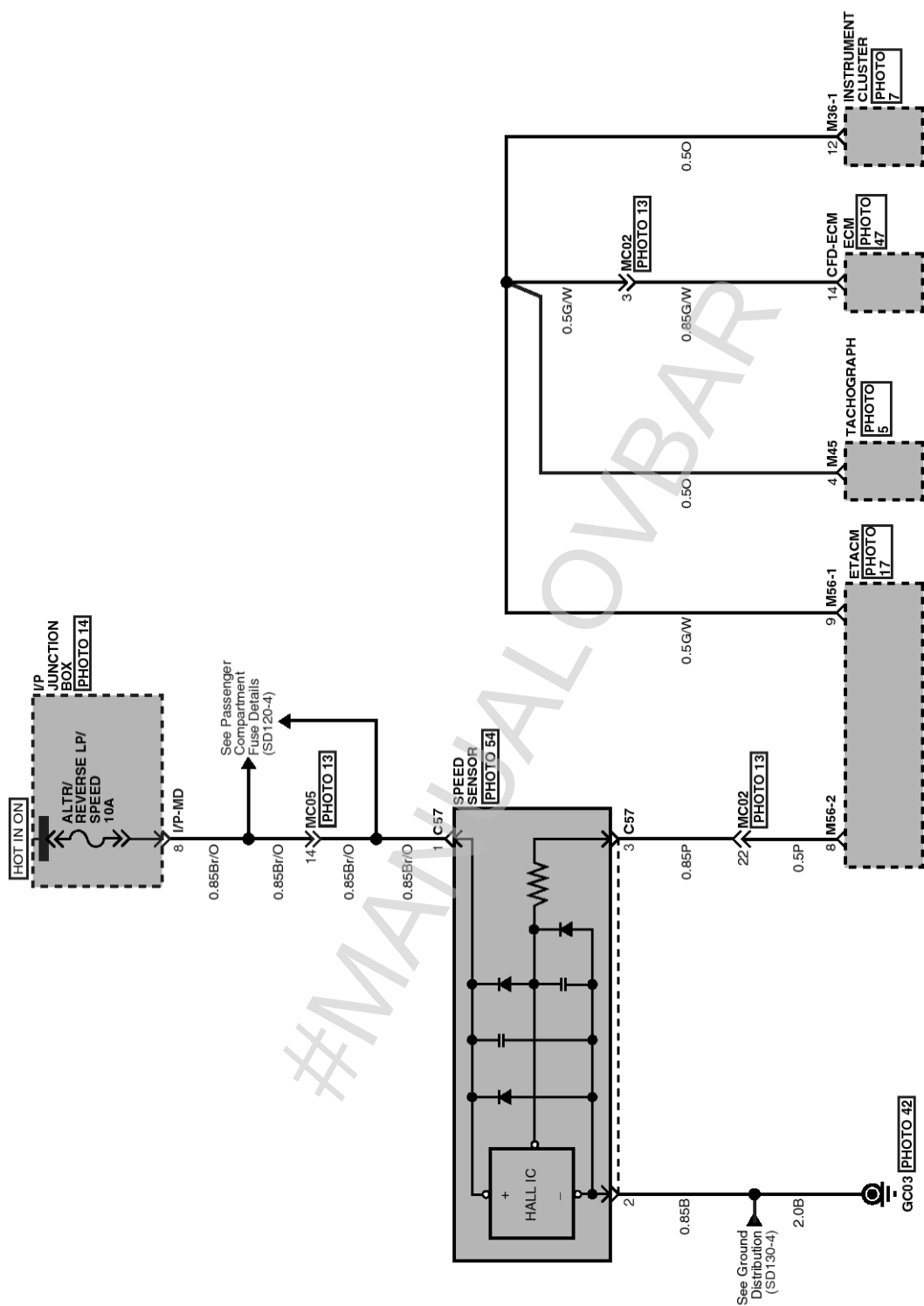
The diagram also shows various wire types and terminal numbers, such as 0.50, 0.5Y/W, 0.85Br/O, 0.85Y/W, 1, 2, 3, 4, 5, 8, 9, 10, 11, 14, and 15.



Charging System (2)

SD373-2			
C13 1 CR01F034	C39 2 1 CR02F002	M36-1 6 * * * 3 * 1 12 * 10 * 8 7 CR12F033	M36-3 10 9 * 7 * 5 4 * 2 1 20 * 18 * 16 15 14 13 12 * CR20F067
M56-1 *12 11 * 9 8 7 6 5 * 3 2 1 26 25 24 * * * * 18 17 16 15 14 CR26F028	BLANK	BLANK	BLANK

SD436-1



Vehicle Speed System (2)

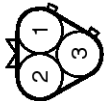
SD436-2

CFD-ECM

61	62	*	64	65	*	67	68	*	70	71	72	*	74	75	76	77	78	79	80
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21	*	23	24	*	*	27	28	*	*	31	*	33	34	*	36	37	38	39	40
1	*	3	4	5	6	7	8	9	10	11	12	13	14	*	16	17	18	19	20

CR80F003

C57



CR03F020

M36-1

6	*	*	*	3	*	1
12	*	10	*	8	7	

CR12F033

M45

4	3		2	1	
10		*	8	7	5

CR10F014

M56-1

*	12	11	*	9	8	7	6	5	*	3	2	1
26	25	24	*	*	*	*	*	18	17	16	15	14

CR26F028

M56-2

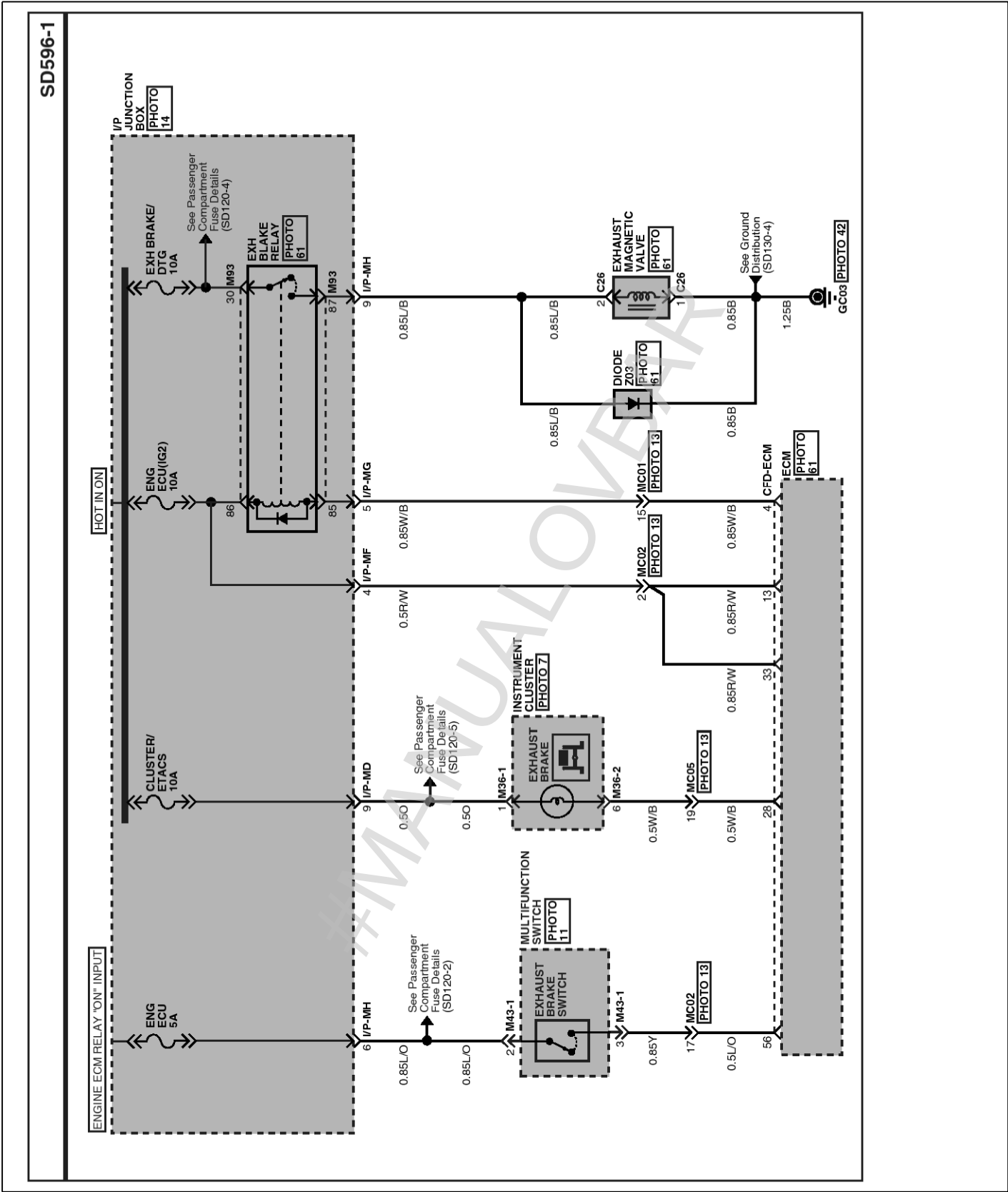
8	7	6	5	4	3	2	*
16	15	14	13	12	11	10	9

CR16F052

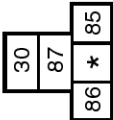
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CR16F052

Exhaust Brake System (1)



Exhaust Brake System (2)

SD596-2																																																																																			
CFD-ECM		C26	M36-1																																																																																
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CR16F043 <table><tr><td>8</td><td>7</td><td>6</td><td>*</td><td>4</td><td>*</td><td>2</td><td>1</td></tr><tr><td>*</td><td>15</td><td>*</td><td>13</td><td>*</td><td>11</td><td>*</td><td>*</td></tr></table>		8	7	6	*	4	*	2	1	*	15	*	13	*	11	*	*	CR05F011 	BLANK																																																																
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CR14F019																																																																																			