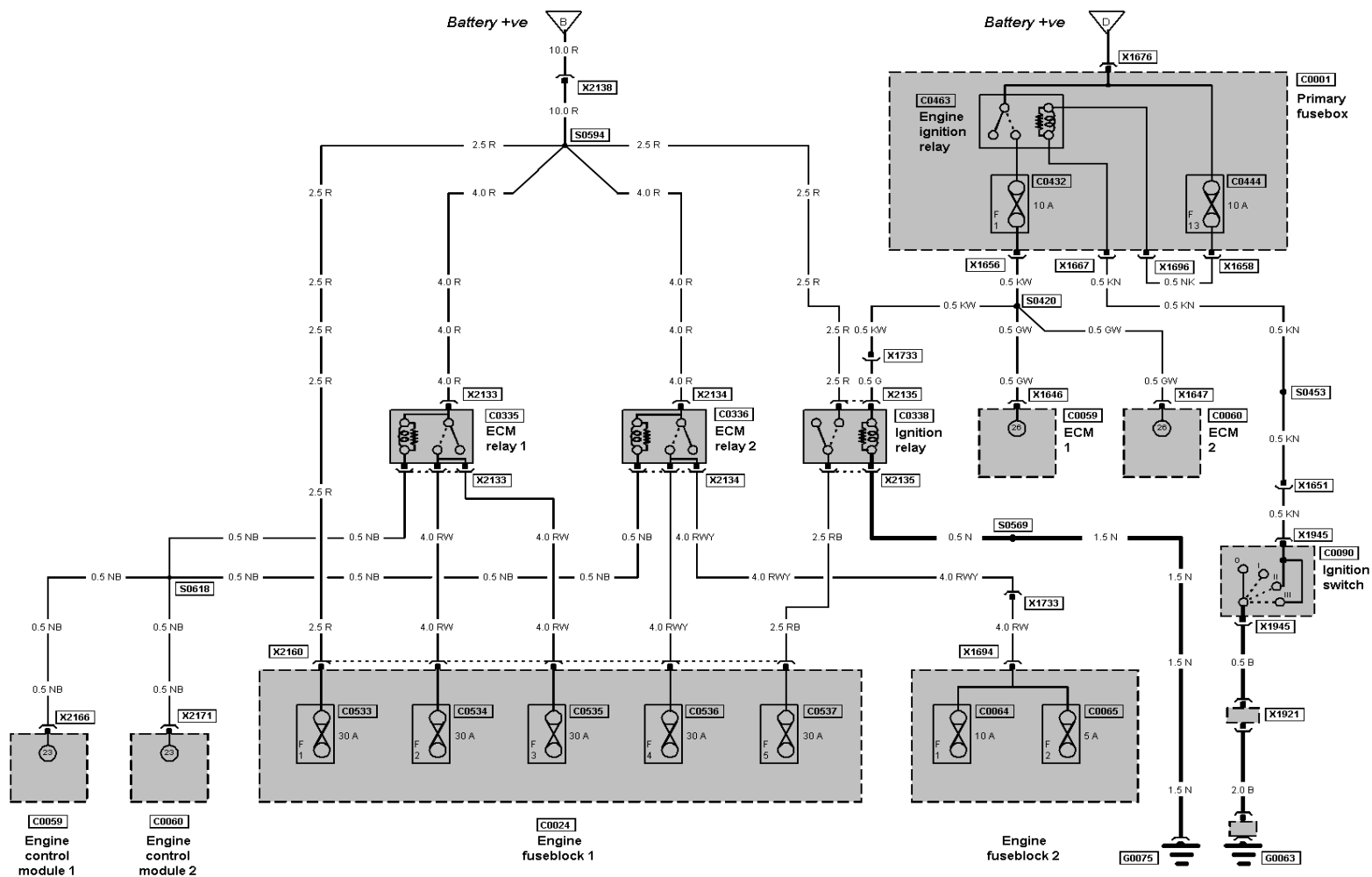


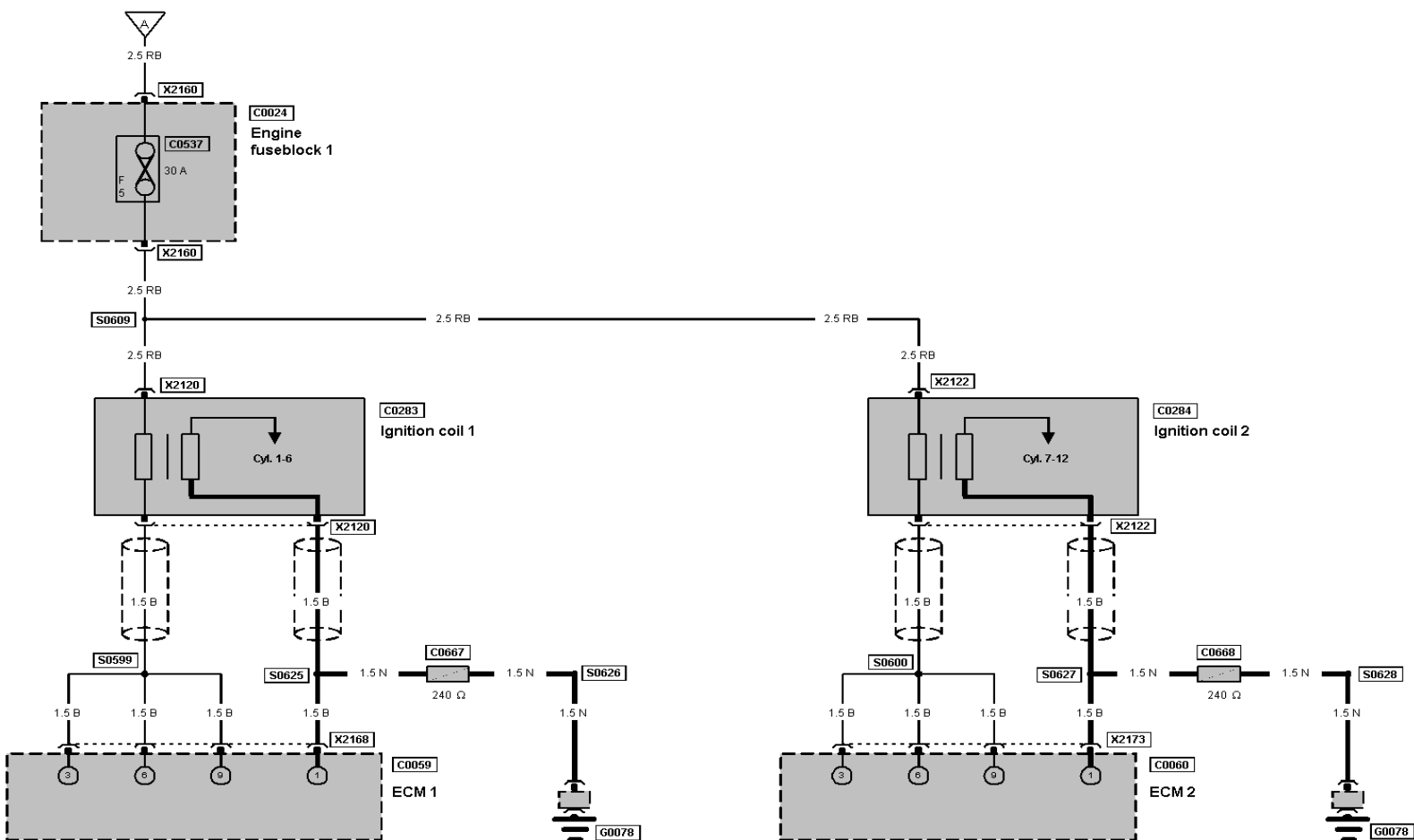


Electrical Circuit: 39 01 05: E-box power supply (LHD)

No	Description
C0001	Primary fusebox
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0064	Fuse 1, 10 amp - E box
C0065	Fuse 2, 5 amp - E box
C0090	Ignition switch
C0335	Engine control module 1 relay
C0336	Engine control module 2 relay
C0338	Ignition relay - E-box
C0432	Fuse F1, 10 amp - primary fusebox
C0444	Fuse F13, 10 amp - primary fusebox
C0463	Engine ignition relay - primary fusebox
C0533	Fuse F1, 30 amp - engine fuseblock
C0534	Fuse F2, 30 amp - engine fuseblock
C0535	Fuse F3, 30 amp - engine fuseblock
C0536	Fuse F4, 30 amp - engine fuseblock
C0537	Fuse F5, 30 amp - engine fuseblock
G0063	Ground point header connector 6-way
G0075	Ground point connector
S0420	Splice - front main loom
S0453	Splice - Pink/brown - front main loom
S0569	Splice - right-hand drive facia loom
S0594	Splice - engine loom
S0618	Splice - engine loom
X1646	Engine control module 1 connector 40-way
X1647	Engine control module 2 connector 40-way
X1651	Front main loom to left-hand drive facia loom plug and socket 23-way
X1656	Primary fusebox connector 3-way
X1658	Primary fusebox connector 12-way
X1667	Primary fusebox connector 18-way
X1676	Primary fusebox connector
X1694	Engine fuseblock connector 4-way
X1696	Primary fusebox connector 6-way
X1733	Front main loom to engine loom plug and socket 12-way
X1921	Header connector 20-way
X1945	Switchbox connector 26-way
X2133	Engine control module 1 relay connector
X2134	Engine control module 2 relay connector
X2135	Ignition relay connector
X2138	E-box battery positive connector
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2171	Engine control module 2 connector 24-way

Circuit Links

Description	Circuit	Additional Information
D	050102	12 V+ from the battery
B	050102	12 V+ from the battery

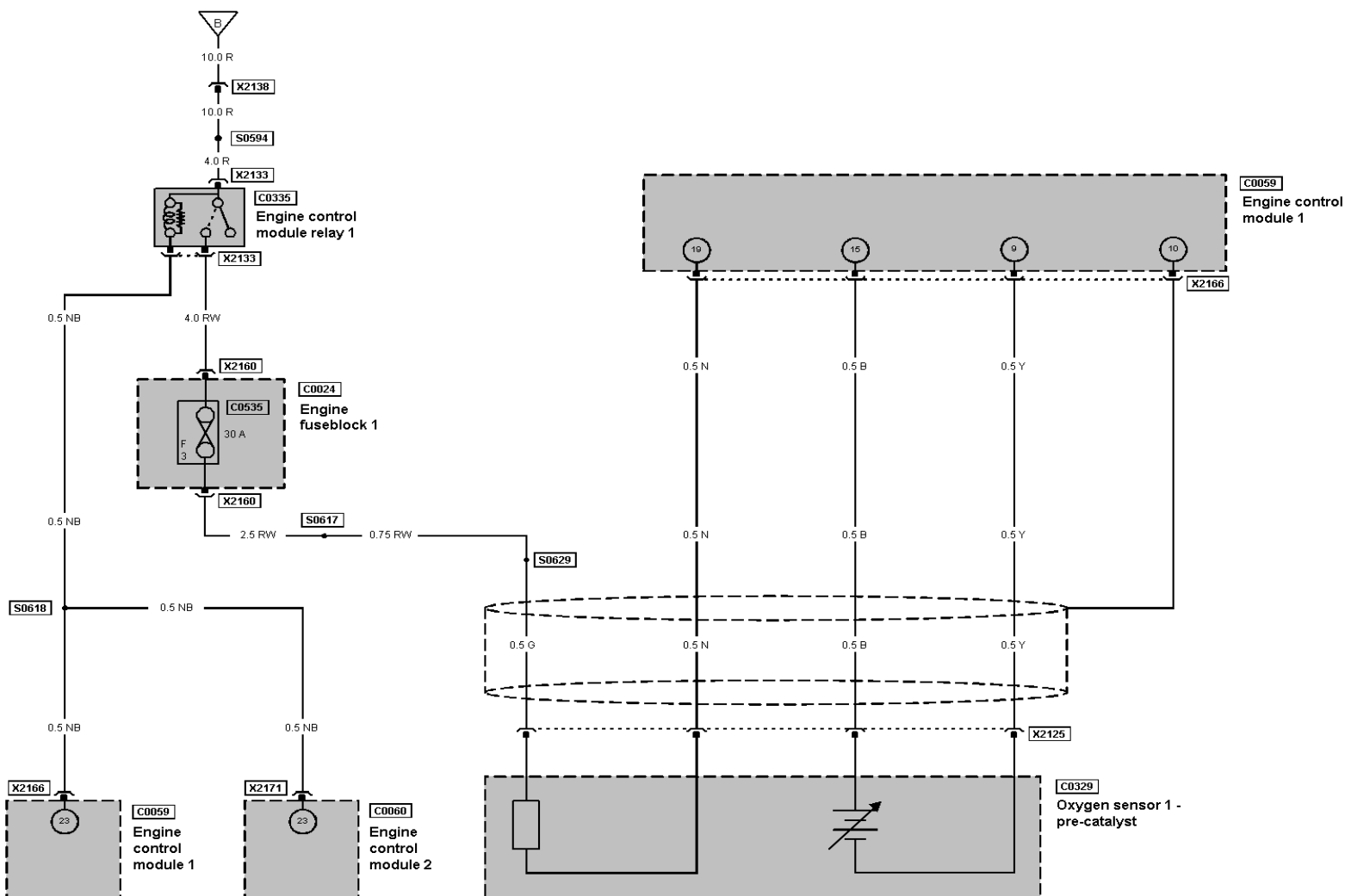


Electrical Circuit: 39 02 06: Ignition coils 1 & 2

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0283	Ignition coil 1 - cylinders 1-6
C0284	Ignition coil 2 - cylinders 7-12
C0537	Fuse F5, 30 amp - engine fuseblock
C0667	Resistor - cylinders 1-6
C0668	Resistor - cylinders 7-12
G0078	Ground point connector
S0599	Splice - engine loom
S0600	Splice - engine loom
S0609	Splice - engine loom
S0625	Splice - engine loom
S0626	Splice - engine loom
S0627	Splice - engine loom
S0628	Splice - engine loom
X2120	Ignition coil 1 connector
X2122	Ignition coil 2 connector
X2160	Engine fuseblock 1 connector
X2168	Engine control module 1 connector 9-way
X2173	Engine control module 2 connector 9-way

Circuit Links

Description	Circuit	Additional Information
A		+12 V feed to fuse, see E-box power supply drawing

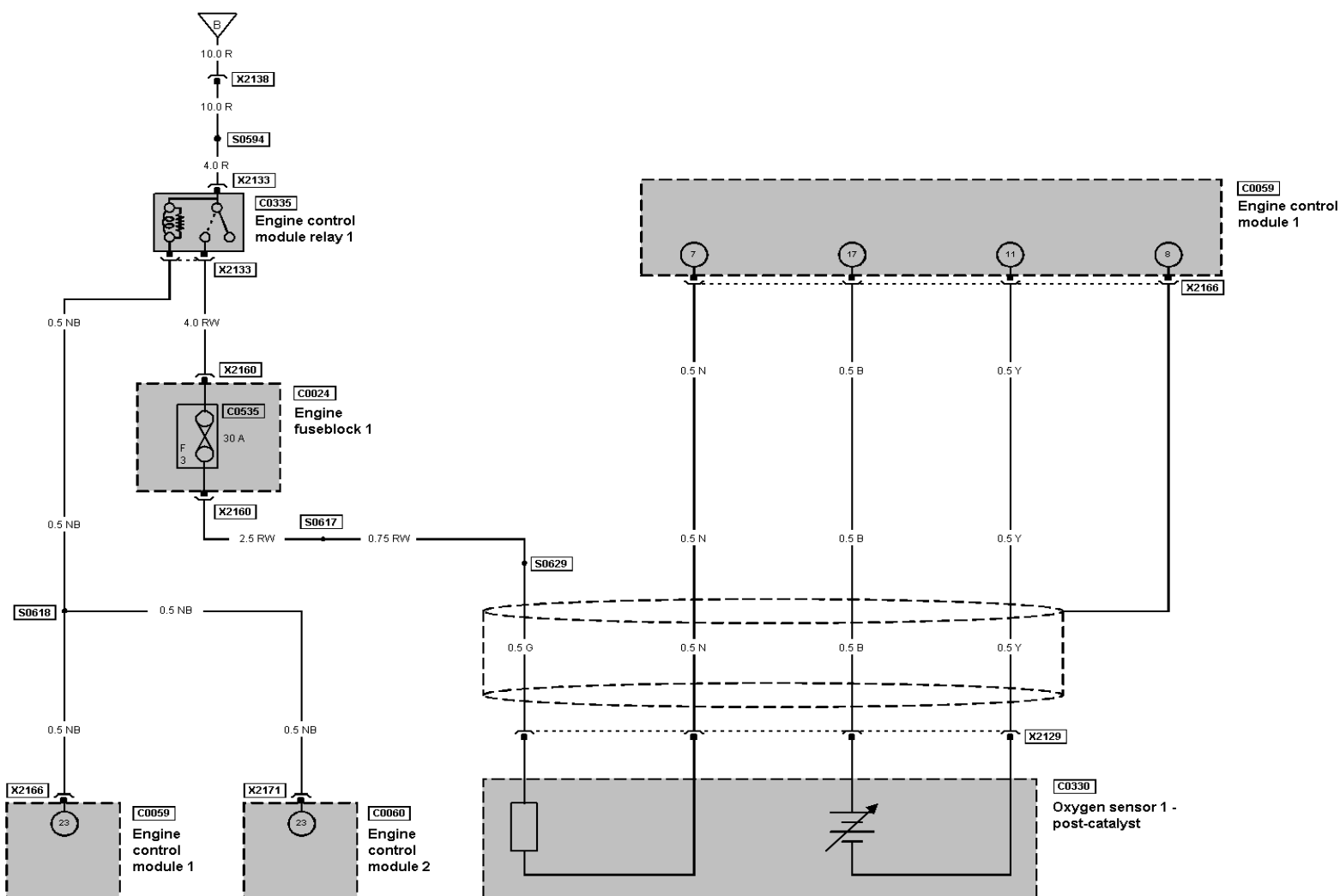


Electrical Circuit: 39 03 09: Oxygen sensor 1, pre-catalyst.

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0329	Oxygen sensor 1-Pre catalyst
C0335	Engine control module 1 relay
C0535	Fuse F3, 30 amp - engine fuseblock
S0594	Splice - engine loom
S0617	Splice - engine loom
S0618	Splice - engine loom
S0629	Splice - engine loom
X2125	Oxygen sensor 1 - pre-catalyst connector 4-way
X2133	Engine control module 1 relay connector
X2138	E-box battery positive connector
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2171	Engine control module 2 connector 24-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

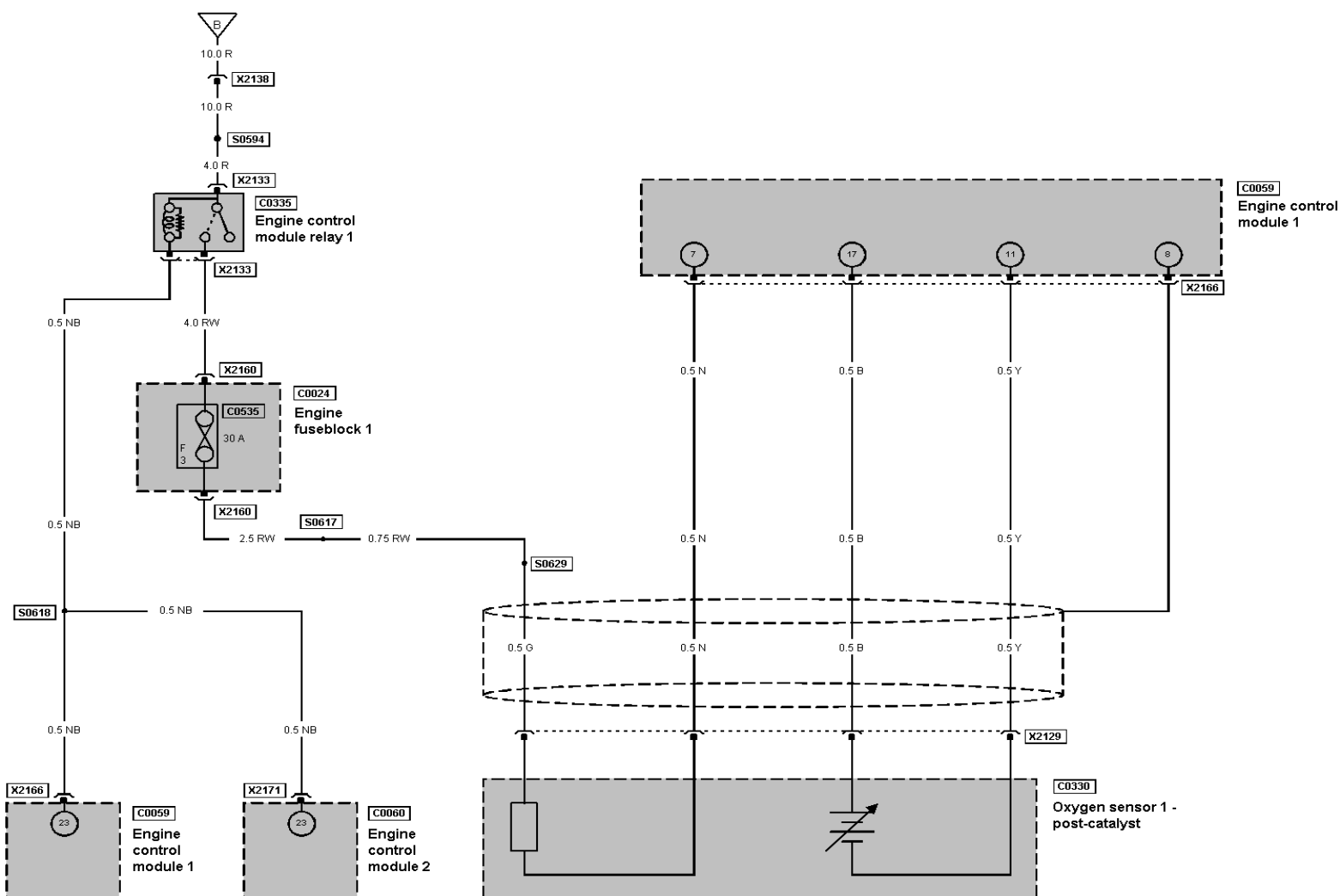


Electrical Circuit: 39 03 10: Oxygen sensor 1, post catalyst

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0330	Oxygen sensor 1-Post catalyst
C0335	Engine control module 1 relay
C0535	Fuse F3, 30 amp - engine fuseblock
S0594	Splice - engine loom
S0617	Splice - engine loom
S0618	Splice - engine loom
S0629	Splice - engine loom
X2129	Oxygen sensor 1 - post-catalyst connector 4-way
X2133	Engine control module 1 relay connector
X2138	E-box battery positive connector
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2171	Engine control module 2 connector 24-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

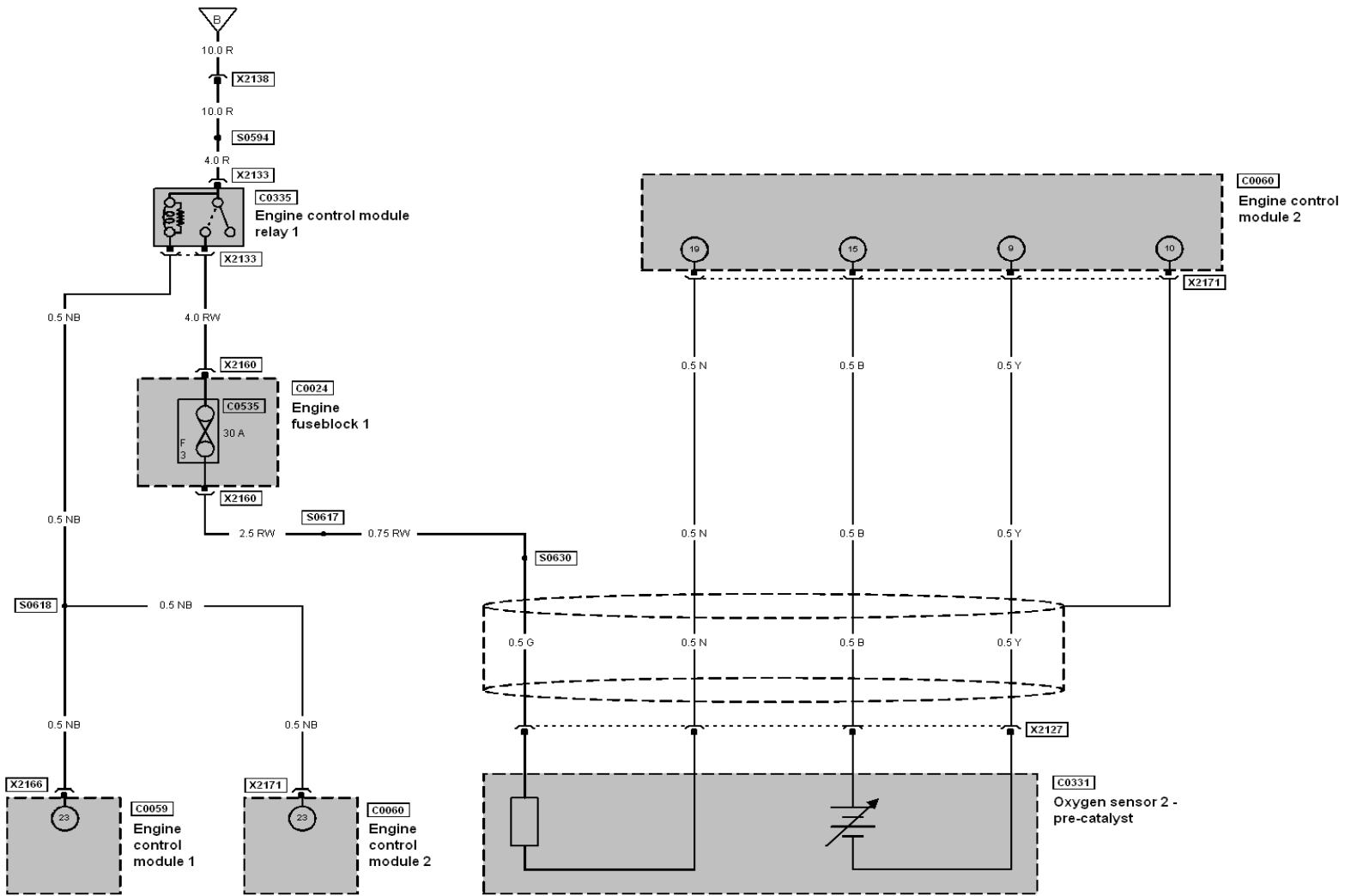


Electrical Circuit: 39 03 10: Oxygen sensor 1, post catalyst

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0330	Oxygen sensor 1-Post catalyst
C0335	Engine control module 1 relay
C0535	Fuse F3, 30 amp - engine fuseblock
S0594	Splice - engine loom
S0617	Splice - engine loom
S0618	Splice - engine loom
S0629	Splice - engine loom
X2129	Oxygen sensor 1 - post-catalyst connector 4-way
X2133	Engine control module 1 relay connector
X2138	E-box battery positive connector
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2171	Engine control module 2 connector 24-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

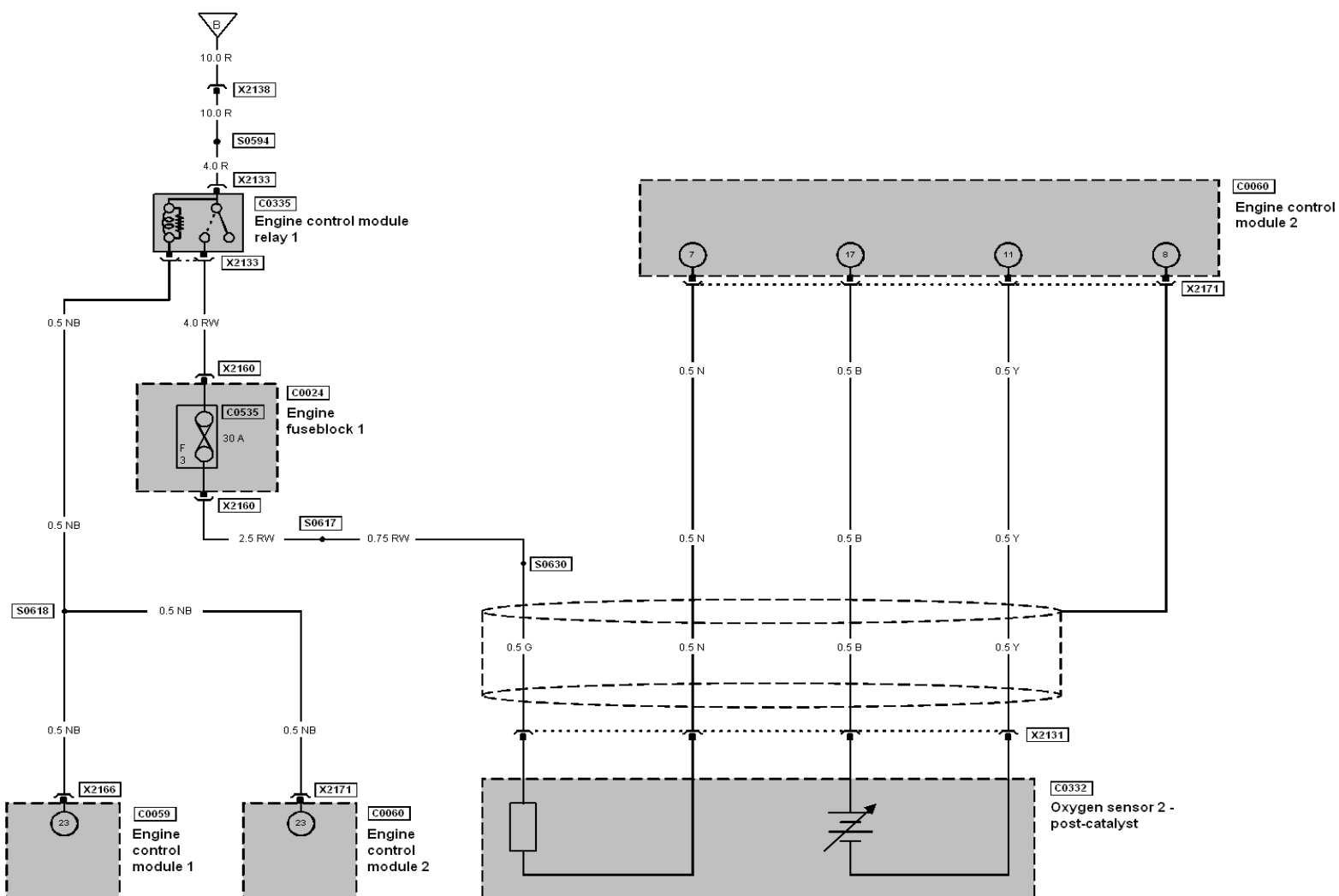


Electrical Circuit: 39 03 11: Oxygen sensor 2, pre-catalyst

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0331	Oxygen sensor 2-Pre catalyst
C0335	Engine control module 1 relay
C0535	Fuse F3, 30 amp - engine fuseblock
S0594	Splice - engine loom
S0617	Splice - engine loom
S0618	Splice - engine loom
S0630	Splice - engine loom
X2127	Oxygen sensor 2 - pre-catalyst connector 4-way
X2133	Engine control module 1 relay connector
X2138	E-box battery positive connector
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2171	Engine control module 2 connector 24-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

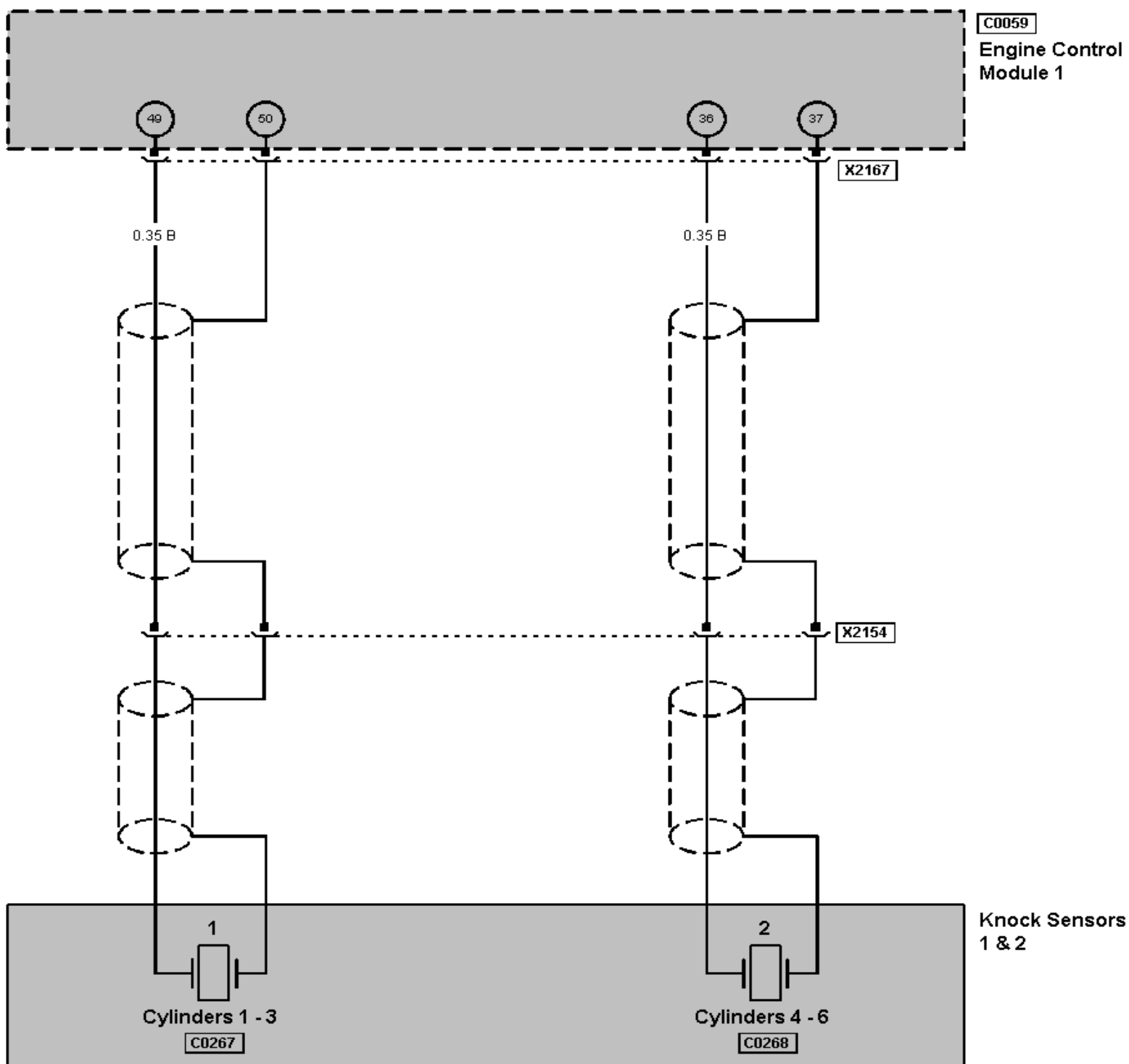


Electrical Circuit: 39 03 12: Oxygen sensor 2, post catalyst

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0332	Oxygen sensor 2-Post catalyst
C0335	Engine control module 1 relay
C0535	Fuse F3, 30 amp - engine fuseblock
S0594	Splice - engine loom
S0617	Splice - engine loom
S0618	Splice - engine loom
S0630	Splice - engine loom
X2131	Oxygen sensor 2 - post-catalyst connector 4-way
X2133	Engine control module 1 relay connector
X2138	E-box battery positive connector
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2171	Engine control module 2 connector 24-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

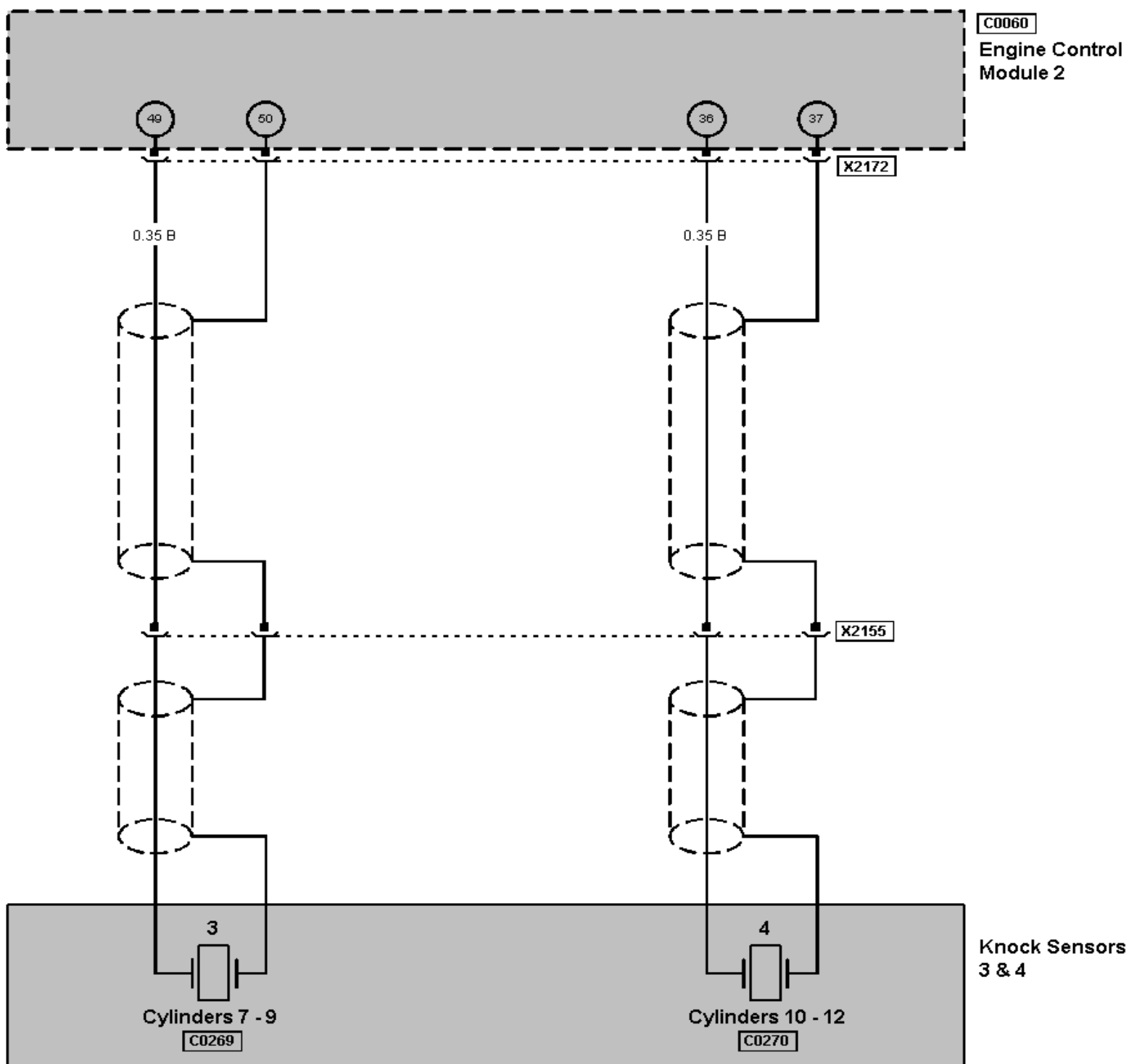


Electrical Circuit: 39 04 05: Knock sensors 1 & 2

No	Description
C0059	Engine control module 1
C0267	Knock sensor 1
C0268	Knock sensor 2
X2154	Knock sensors 1/2 connector 4-way
X2167	Engine control module 1 connector 52-way

Circuit Links

Description	Circuit	Additional Information
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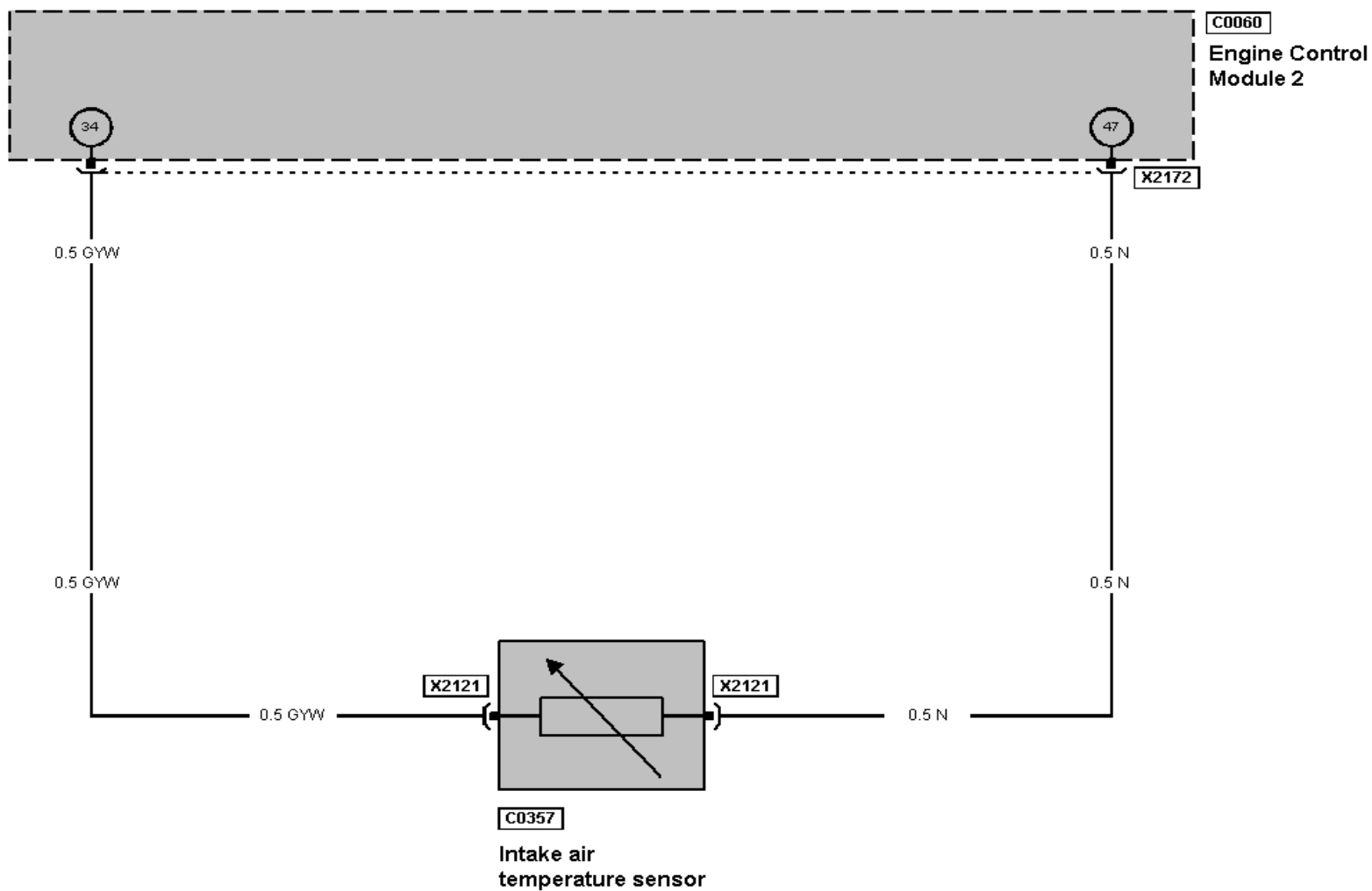


Electrical Circuit: 39 04 06: Knock sensors 3 & 4

No	Description
C0060	Engine control module 2
C0269	Knock sensor 3
C0270	Knock sensor 4
X0637	Knock sensors 3/4 connector 4-way
X2155	Knock sensors 3/4 connector 4-way
X2172	Engine control module 2 connector 52-way

Circuit Links

Description	Circuit	Additional Information
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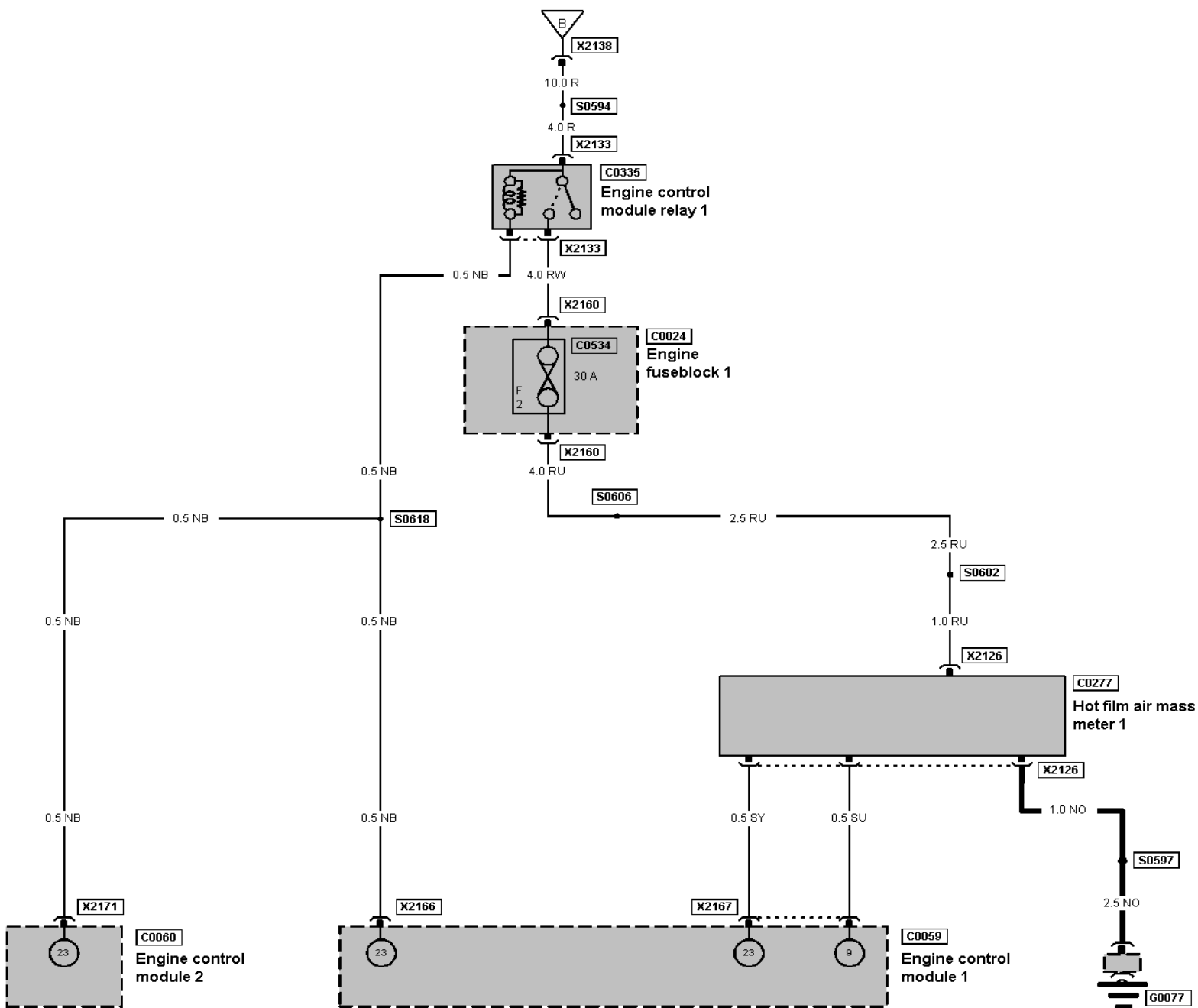


Electrical Circuit: 39 05 03: Intake air temperature sensor

No	Description
C0060	Engine control module 2
C0357	Intake air temperature sensor
X2121	Intake air temperature sensor connector 2-way
X2172	Engine control module 2 connector 52-way

Circuit Links

Description	Circuit	Additional Information
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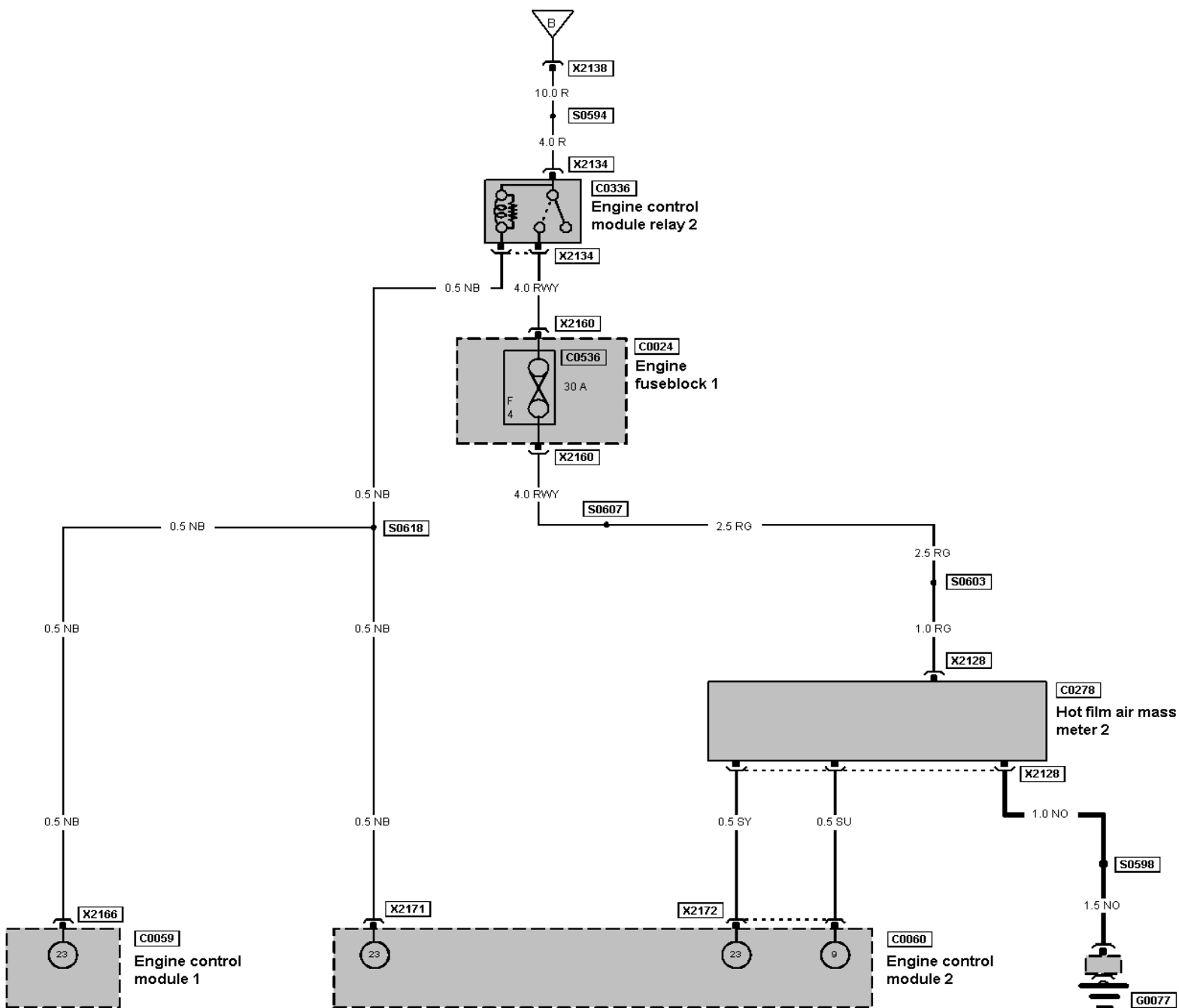


Electrical Circuit: 39 06 04: Hot film air mass meter 1

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0277	Hot film air mass meter 1
C0335	Engine control module 1 relay
C0534	Fuse F2, 30 amp - engine fuseblock
G0077	Ground point connector
S0594	Splice - engine loom
S0597	Splice - engine loom
S0602	Splice - engine loom
S0606	Splice - engine loom
S0618	Splice - engine loom
X2126	Hot film air mass meter 1 connector 4-way
X2133	Engine control module 1 relay connector
X2138	E-box battery positive connector
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2167	Engine control module 1 connector 52-way
X2171	Engine control module 2 connector 24-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

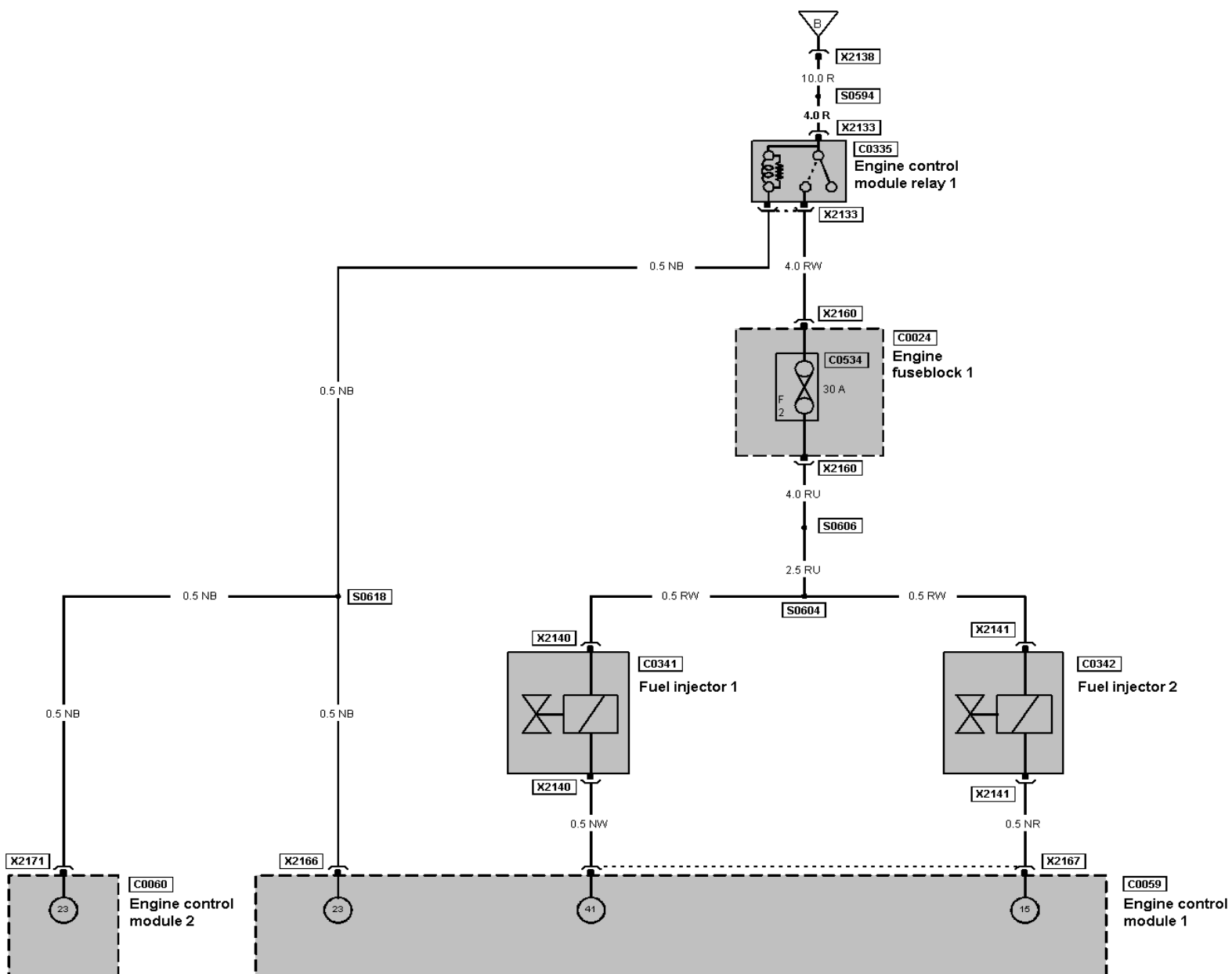


Electrical Circuit: 39 06 05: Hot film air mass meter 2

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0278	Hot film air mass meter 2
C0336	Engine control module 2 relay
C0536	Fuse F4, 30 amp - engine fuseblock
G0077	Ground point connector
S0594	Splice - engine loom
S0598	Splice - engine loom
S0603	Splice - engine loom
S0607	Splice - engine loom
S0618	Splice - engine loom
X2128	Hot film air mass meter 2 connector 4-way
X2134	Engine control module 2 relay connector
X2138	E-box battery positive connector
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2171	Engine control module 2 connector 24-way
X2172	Engine control module 2 connector 52-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

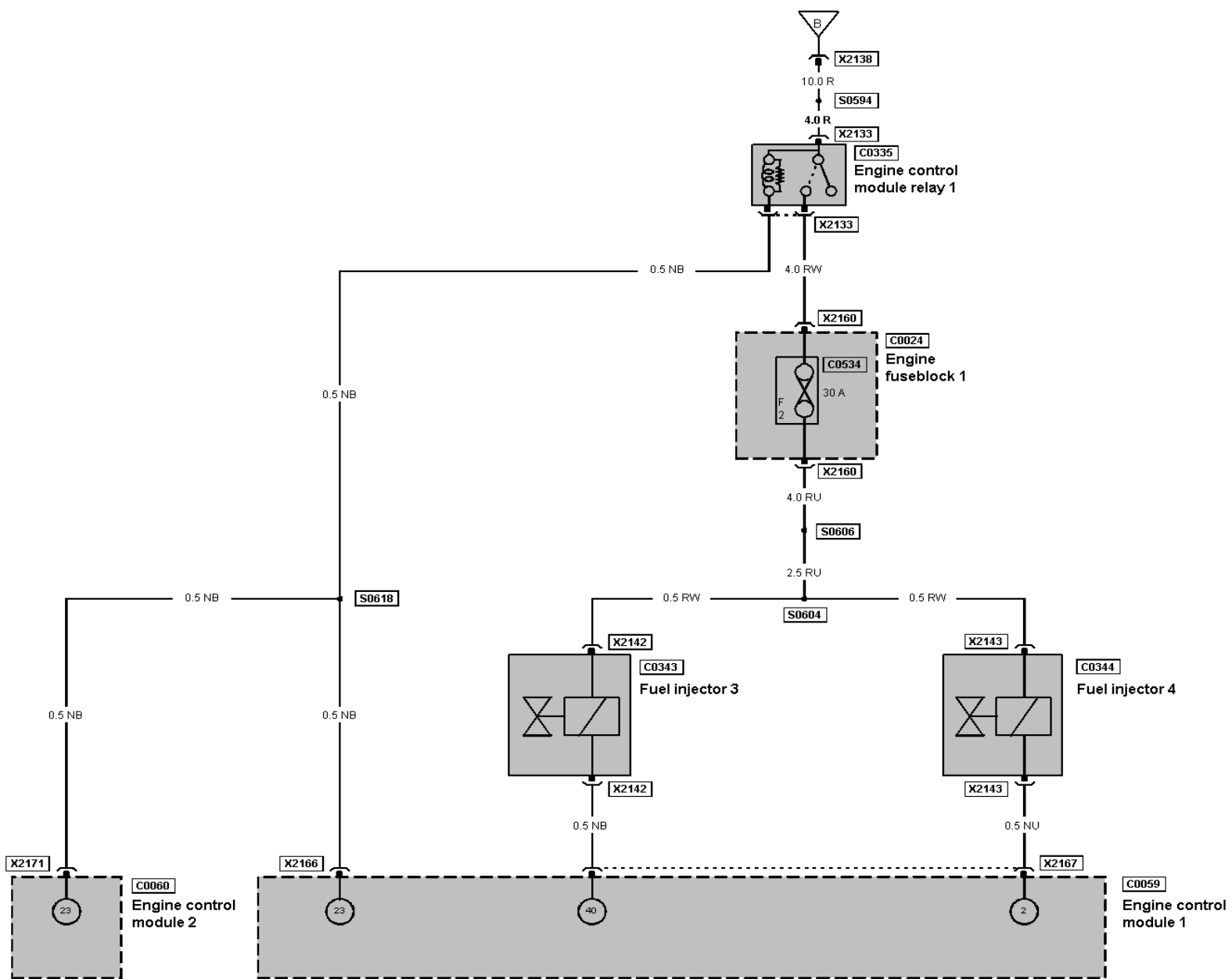


Electrical Circuit: 39 07 11: Fuel injectors 1 & 2

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0335	Engine control module 1 relay
C0341	Fuel injector valve 1
C0342	Fuel injector valve 2
C0534	Fuse F2, 30 amp - engine fuseblock
S0594	Splice - engine loom
S0604	Splice - engine loom
S0606	Splice - engine loom
S0618	Splice - engine loom
X2133	Engine control module 1 relay connector
X2138	E-box battery positive connector
X2140	Fuel injector valve 1 connector 2-way
X2141	Fuel injector valve 2 connector 2-way
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2167	Engine control module 1 connector 52-way
X2171	Engine control module 2 connector 24-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

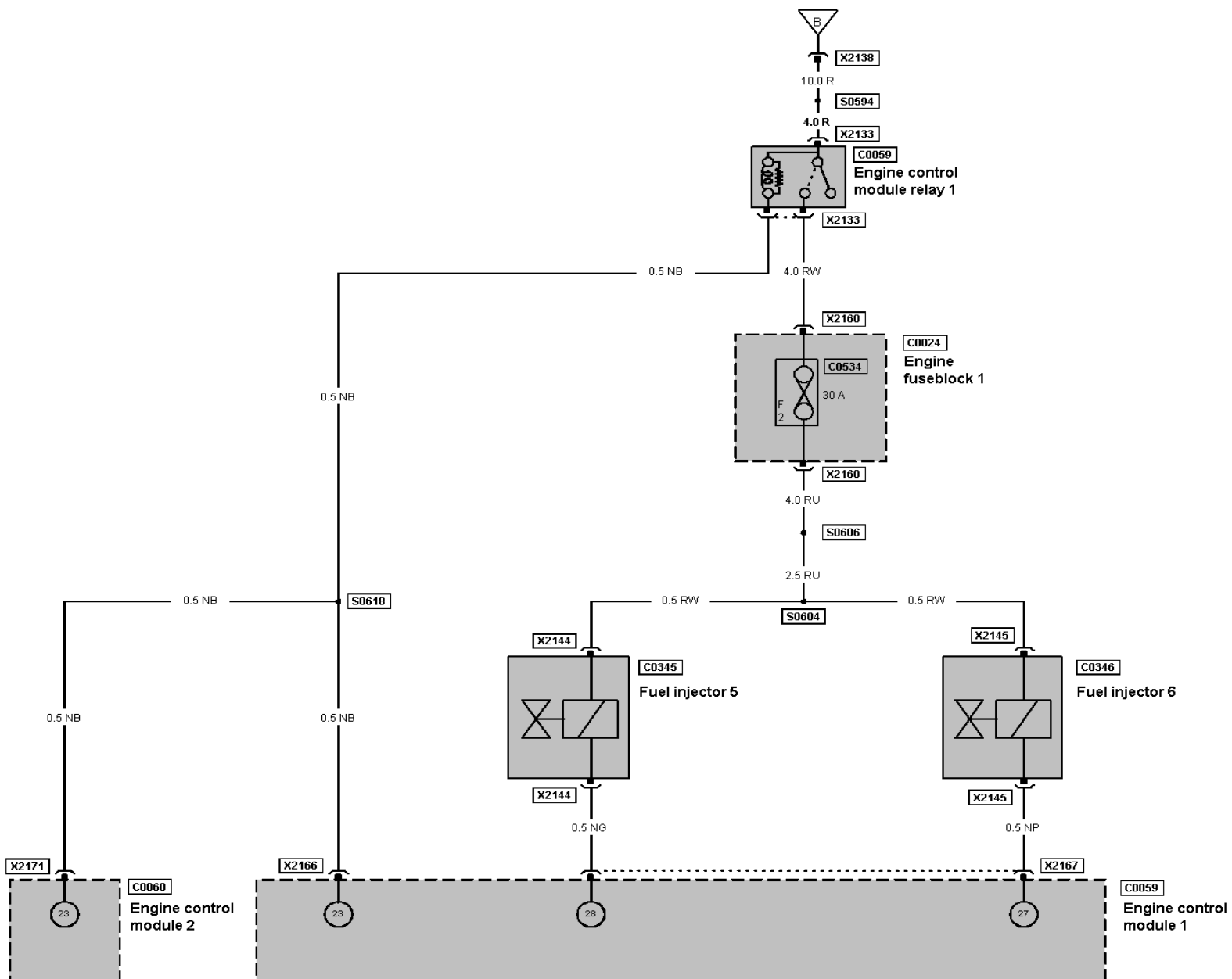


Electrical Circuit: 39 07 12: Fuel injectors 3 & 4

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0335	Engine control module 1 relay
C0343	Fuel injector valve 3
C0344	Fuel injector valve 4
C0534	Fuse F2, 30 amp - engine fuseblock
S0594	Splice - engine loom
S0604	Splice - engine loom
S0606	Splice - engine loom
S0618	Splice - engine loom
X2133	Engine control module 1 relay connector
X2138	E-box battery positive connector
X2142	Fuel injector valve 3 connector 2-way
X2143	Fuel injector valve 4 connector 2-way
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2167	Engine control module 1 connector 52-way
X2171	Engine control module 2 connector 24-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

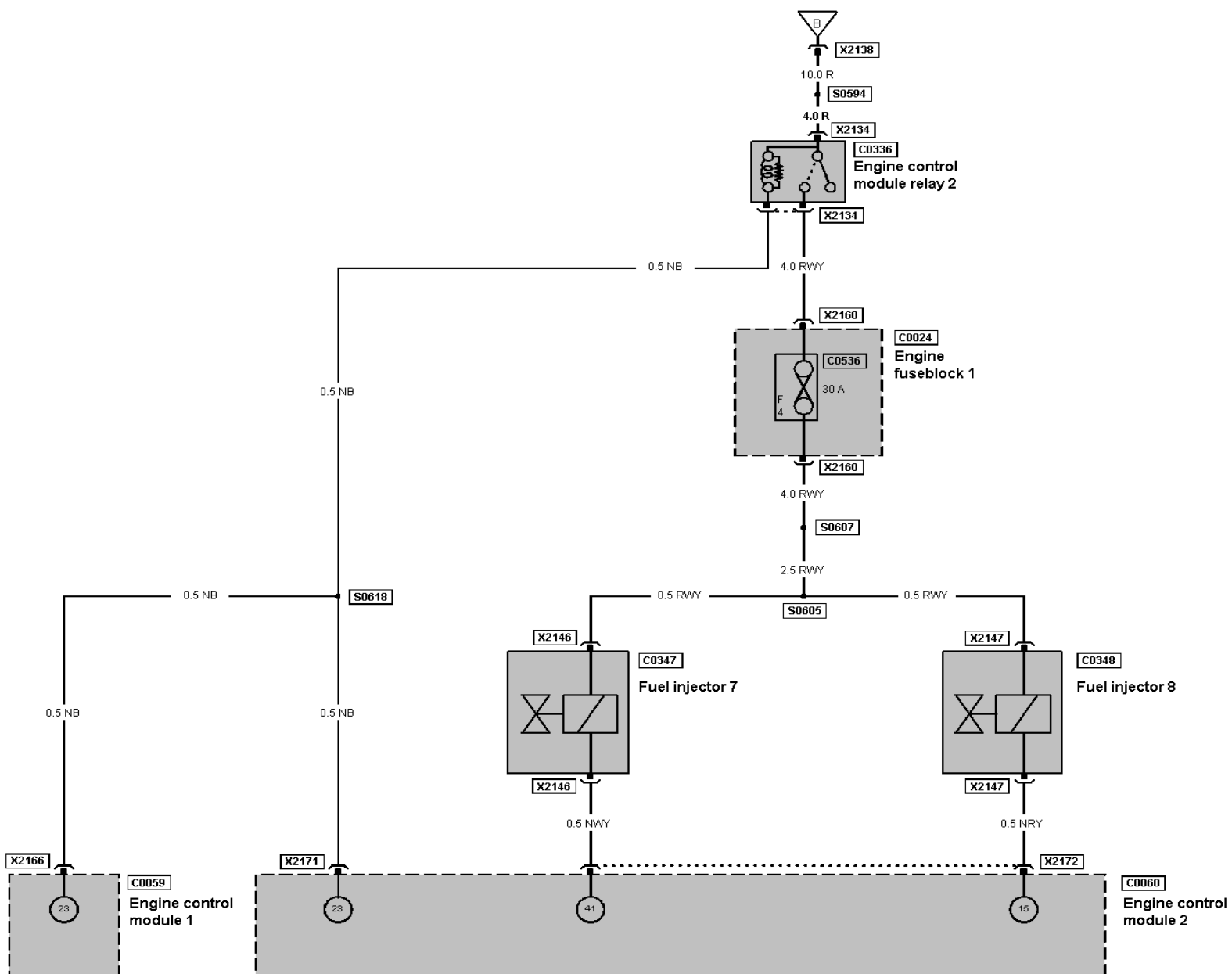


Electrical Circuit: 39 07 13: Fuel injectors 5 & 6

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0345	Fuel injector valve 5
C0346	Fuel injector valve 6
C0534	Fuse F2, 30 amp - engine fuseblock
S0594	Splice - engine loom
S0604	Splice - engine loom
S0606	Splice - engine loom
S0618	Splice - engine loom
X2133	Engine control module 1 relay connector
X2138	E-box battery positive connector
X2144	Fuel injector valve 5 connector 2-way
X2145	Fuel injector valve 6 connector 2-way
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2167	Engine control module 1 connector 52-way
X2171	Engine control module 2 connector 24-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

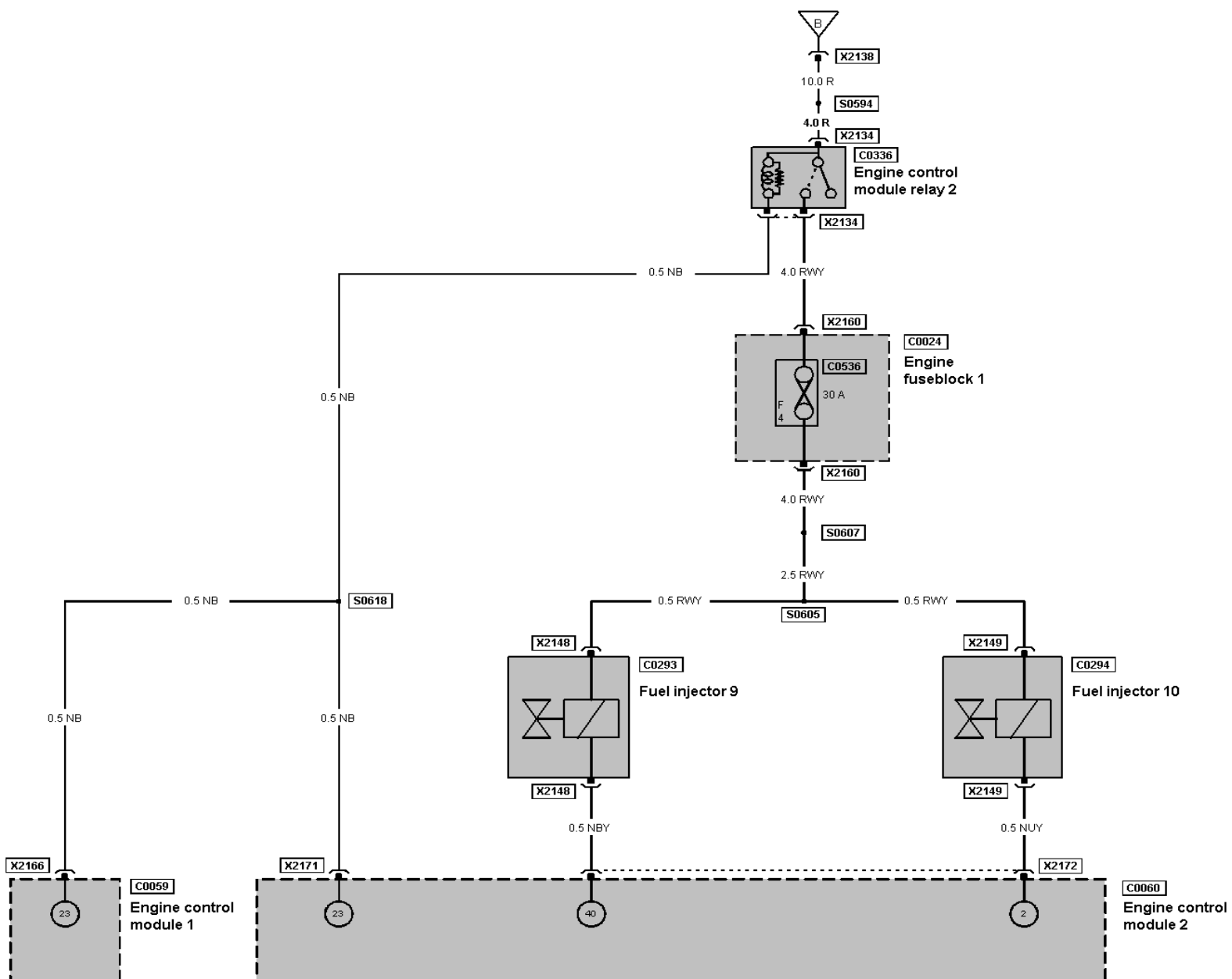


Electrical Circuit: 39 07 14: Fuel injectors 7 & 8

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0336	Engine control module 2 relay
C0347	Fuel injector valve 7
C0348	Fuel injector valve 8
C0536	Fuse F4, 30 amp - engine fuseblock
S0594	Splice - engine loom
S0605	Splice - engine loom
S0607	Splice - engine loom
S0618	Splice - engine loom
X2134	Engine control module 2 relay connector
X2138	E-box battery positive connector
X2146	Fuel injector valve 7 connector 2-way
X2147	Fuel injector valve 8 connector 2-way
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2171	Engine control module 2 connector 24-way
X2172	Engine control module 2 connector 52-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

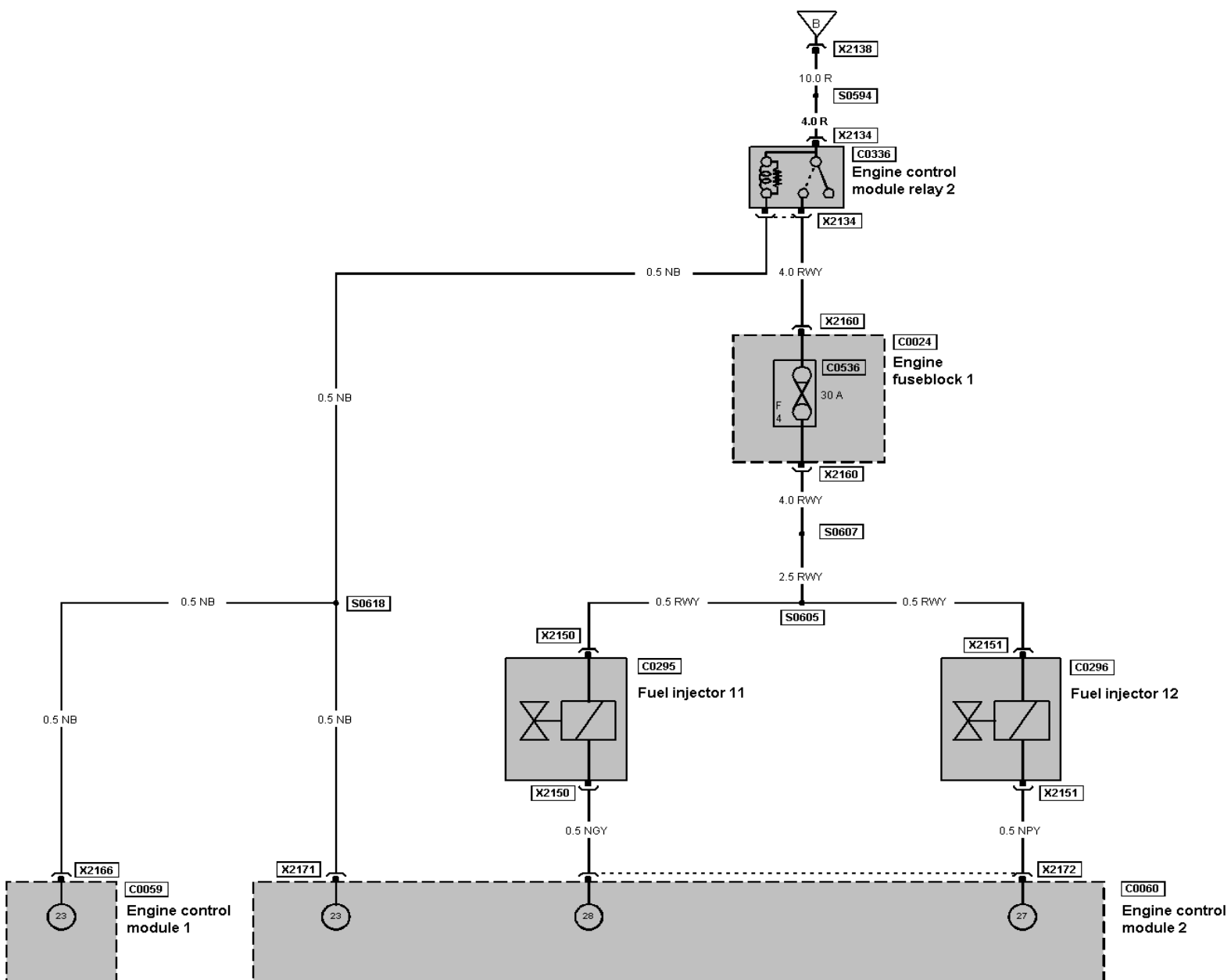


Electrical Circuit: 39 07 15: Fuel injectors 9 & 10

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0293	Fuel injector valve 9
C0294	Fuel injector valve 10
C0336	Engine control module 2 relay
C0536	Fuse F4, 30 amp - engine fuseblock
S0594	Splice - engine loom
S0605	Splice - engine loom
S0607	Splice - engine loom
S0618	Splice - engine loom
X2134	Engine control module 2 relay connector
X2138	E-box battery positive connector
X2148	Fuel injector valve 9 connector 2-way
X2149	Fuel injector valve 10 connector 2-way
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2171	Engine control module 2 connector 24-way
X2172	Engine control module 2 connector 52-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

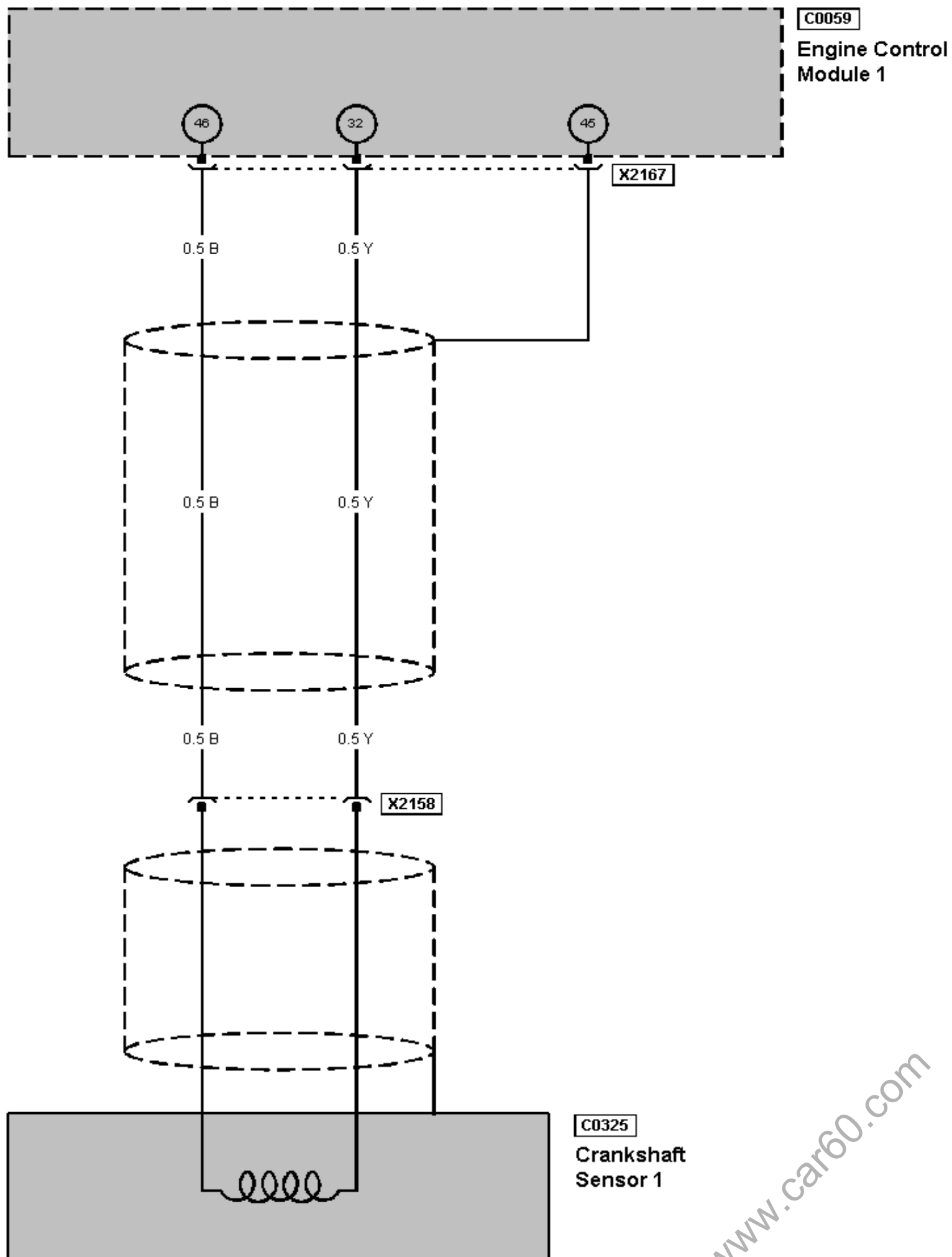


Electrical Circuit: 39 07 16: Fuel injectors 11 & 12

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0295	Fuel injector valve 11
C0296	Fuel injector valve 12
C0336	Engine control module 2 relay
C0536	Fuse F4, 30 amp - engine fuseblock
S0594	Splice - engine loom
S0605	Splice - engine loom
S0607	Splice - engine loom
S0618	Splice - engine loom
X2134	Engine control module 2 relay connector
X2138	E-box battery positive connector
X2150	Fuel injector valve 11 connector 2-way
X2151	Fuel injector valve 12 connector 2-way
X2160	Engine fuseblock 1 connector
X2166	Engine control module 1 connector 24-way
X2171	Engine control module 2 connector 24-way
X2172	Engine control module 2 connector 52-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery

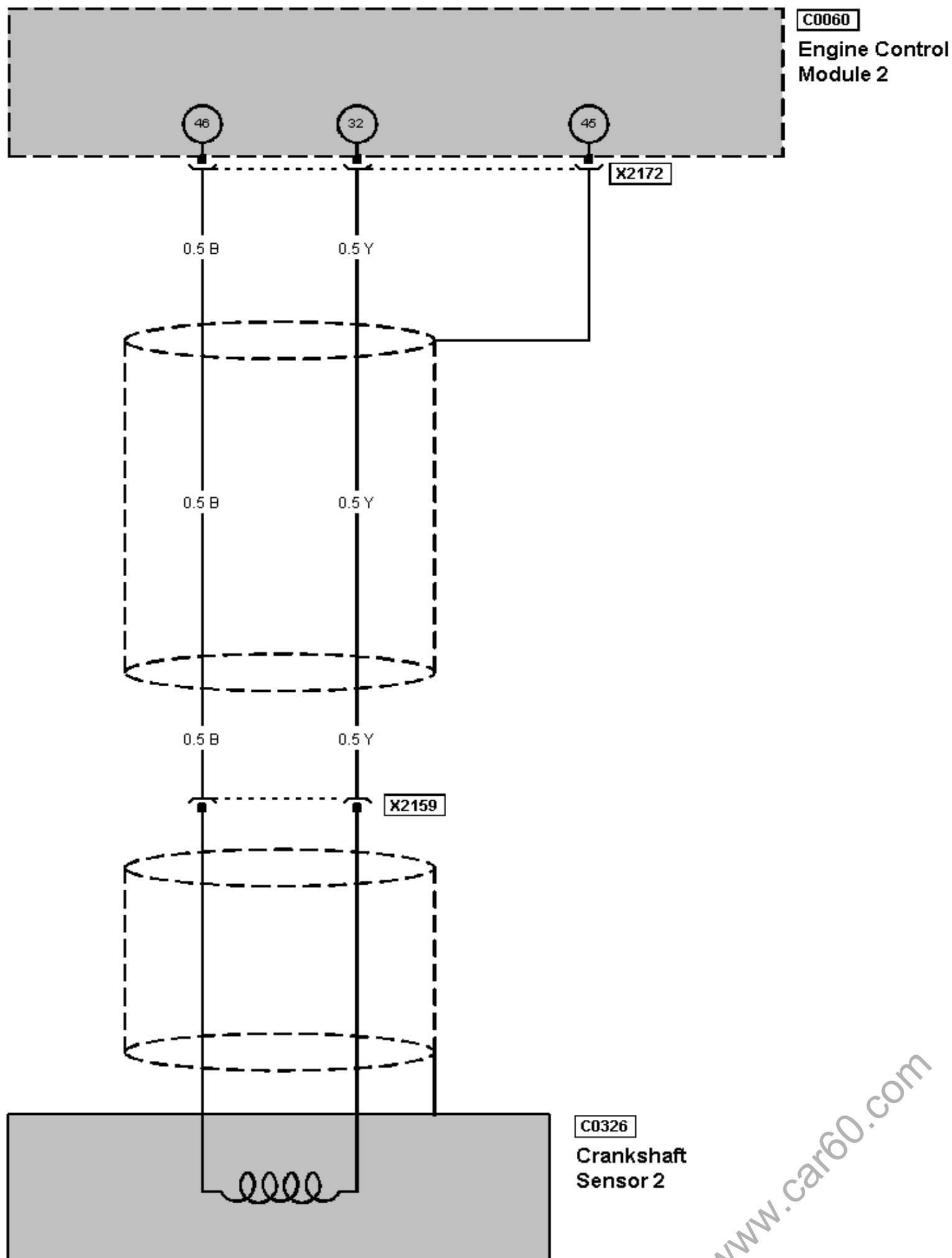


Electrical Circuit: 39 08 04: Crankshaft sensor 1

No	Description
C0059	Engine control module 1
C0325	Crankshaft sensor 1
X2158	Crankshaft position sensor 1 connector 2-way
X2167	Engine control module 1 connector 52-way

Circuit Links

Description	Circuit	Additional Information
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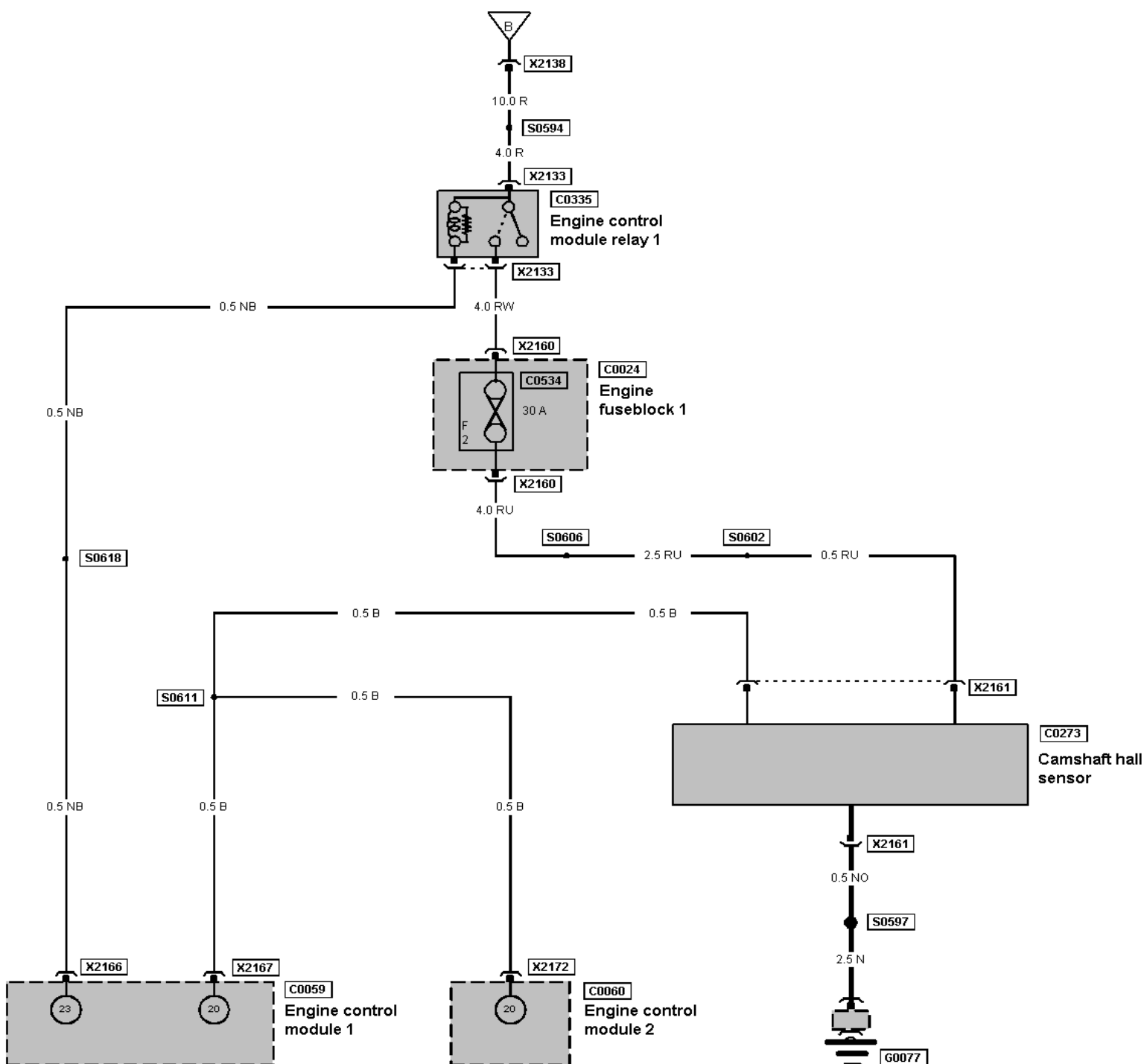


Electrical Circuit: 39 08 05: Crankshaft sensor 2

No	Description
C0060	Engine control module 2
C0326	Crankshaft sensor 2
X2159	Crankshaft position sensor 2 connector 2-way
X2172	Engine control module 2 connector 52-way

Circuit Links

Description	Circuit	Additional Information
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Electrical Circuit: 39 09 03: Camshaft hall sensor

No	Description
C0024	Engine fuseblock 1
C0059	Engine control module 1
C0060	Engine control module 2
C0273	Hall effect camshaft sensor
C0335	Engine control module 1 relay
C0534	Fuse F2, 30 amp - engine fuseblock
G0077	Ground point connector
S0594	Splice - engine loom
S0597	Splice - engine loom
S0602	Splice - engine loom
S0606	Splice - engine loom
S0611	Splice - engine loom
S0618	Splice - engine loom
X2133	Engine control module 1 relay connector
X2138	E-box battery positive connector
X2160	Engine fuseblock 1 connector
X2161	Camshaft position sensor connector 3-way
X2166	Engine control module 1 connector 24-way
X2167	Engine control module 1 connector 52-way
X2172	Engine control module 2 connector 52-way

Circuit Links

Description	Circuit	Additional Information
B	050102	12 V+ from the battery