CALIFORNIA
AIR RESOURCES BOARD

EXECUTIVE ORDER D-176-53

Relating to Exemptions under
Section 27156 of the Vehicle Code

Dinan Corporation (d.b.a. Flowmaster, Inc.)
Delta Boost Performance Tuner Module

Pursuant to the authority vested in the California Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the installation of the Delta Boost Performance Tuner Module, manufactured by Dinan Corporation of 865 Jarvis Drive, Morgan Hill, California 95037 and marketed by Flowmaster, Inc. of 100 Stoney Point Road, Suite 125, Santa Rosa, California 95401, has been found not to reduce the effectiveness of the applicable vehicle pollution control system, and therefore, the Delta Boost Performance Tuner Module is exempt from the prohibitions in Section 27156 of the Vehicle Code for installation on the vehicles as listed in Appendix A:

The Delta Boost Performance Tuner Module consists of a control module installed in series to the vehicle's Electronic Control Module (ECM) and the user is able to choose from four different percentage settings to vary the amount of a pressure sensor(s) output to the ECM. No other changes are required for proper installation. There are no user adjustment to emissions related data files.

This Executive Order is granted based on emissions test data, conducted at the SEMA Garage, Diamond Bar, California, from a 2018 model year (MY) 2.7 liter Ford F150 2WD (test group JFMXT02.73JK) certified to the Low Emission Vehicle III Ultra Low Emission Vehicle 70 (LEV III ULEV70) emission standards. The two test average results on the Ford F150 showed that emission levels, with the Delta Boost Performance Tuner Module installed and set to Max, met the applicable emission standards when tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) and Supplemental Federal Test Procedure Composite (SFTP US06/SC03) test cycles. Examination of the OBD II system showed that the Delta Boost Performance Tuner Module did not affect OBD II system operation.

The 2018 MY 2.7 liter Ford F150 emission test results, with deterioration factors (DF) applied, and exhaust emission standards are shown below:

	CVS-75 FTP (grams/mile)			
	NMOG+NOx	CO	PM	HCHO
150K Standards	0.070	1.7	0.01	0.004
Average Test Results w/150K DF	0.052	0.94	0.001	0.0005

	SFTP US06/SC03 (+20% AC2) (grams/mile)	
	NMOG+NOx	CO
150K Standards (BIN)	0.100	4.2
Average Test Results w/150K DF	0.0504	0.86

This Executive Order is valid provided that installation instructions for the Delta Boost Performance Tuner Module do not recommend tuning the vehicle to specifications different from those of Dinan Corporation.

Changes made to the design or operating conditions of the Delta Boost Performance Tuner Module, as exempt by the California Air Resources Board, which adversely affect the performance of the vehicles' emission control system, shall invalidate this Executive Order.

Marketing of the Delta Boost Performance Tuner Module using identification other than that shown in this Executive Order or marketing of the Delta Boost Performance Tuner Module for an application other than that listed in this Executive Order shall be prohibited unless prior approval is obtained from the California Air Resources Board.

This Executive Order shall not apply to any Delta Boost Performance Tuner Module advertised, offered for sale, sold with, or installed on a motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

This Executive Order does not constitute any opinion as to the effect the use of the Delta Boost Performance Tuner Module may have on any warranty either expressed or implied by the vehicle manufacturer.

No claim of any kind, such as "Approved by the California Air Resources Board," may be made with respect to the action taken herein in any advertising or other oral or written communication.

The California Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of California Code of Regulations, Title 13, Section 2222, et seq.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE CALIFORNIA AIR RESOURCES BOARD OF CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE DELTA BOOST PERFORMANCE TUNER MODULE.

Violation of any of the above conditions shall be grounds for revocation of this Executive Order. The Executive Order may be revoked only after a ten day written notice of intention to revoke the Executive Order, in which period the holder of the Executive Order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the Executive Order may not be revoked until a determination is made after a hearing that grounds for revocation exist.

Executed at El Monte, California, this 7 day of November 2018.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

APPENDIX A

	Flowmaster P/N	Year	Model	Displ	Cyl	Trans	Drive	Stnd Description	Underhood ID	Veh Class	Pressure Sensor(s) affected
1	18104	2010	FORD Flex	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	AFMXV03.5VEE	SUV	Intake Charge Pipe
2	18104	2010	FORD Taurus	3.5	6	Auto-6	4WD	California LEV-II ULEV	AFMXV03.5VEE	large car	Intake Charge Pipe
3	18104	2010	LINCOLN MKS	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	AFMXV03.5VEE	large car	Intake Charge Pipe
4	18104	2010	LINCOLN MKT	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	AFMXV03.5VEE	SUV	Intake Charge Pipe
5	18104	2011	FORD F150	3.5	6	SemiAuto-6	2WD	Federal Tier 2 Bin 4	BFMXT03.54EP	pickup	Intake Charge Pipe
6	18104	2011	FORD F150	3.5	6	Auto-6	2WD	Federal Tier 2 Bin 4	BFMXT03.54EP	pickup	Intake Charge Pipe
7	18104	2011	FORD F150	3.5	6	SemiAuto-6	4WD	Federal Tier 2 Bin 4	BFMXT03.54EP	pickup	Intake Charge Pipe
8	18104	2011	FORD F150	3.5	6	Auto-6	4WD	Federal Tier 2 Bin 4	BFMXT03.54EP	pickup	Intake Charge Pipe
9	18104	2011	FORD Flex	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	BFMXV03.5VEE	SUV	Intake Charge Pipe
10	18104	2011	FORD Taurus	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	BFMXV03.5VEE	large car	Intake Charge Pipe
11	18104	2011	LINCOLN MKS	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	BFMXV03.5VEE	large car	Intake Charge Pipe
12	18104	2011	LINCOLN MKT	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	BFMXV03.5VEE	SUV	Intake Charge Pipe
13	18102	2012	FORD Edge	2.0	4	Auto-6	2WD	California LEV-II ULEV	CFMXT02.02E2	SUV	Intake Charge Pipe
14	18101	2012	FORD Explorer	2.0	4	Auto-6	2WD	California LEV-II ULEV	CFMXT02.02E2	SUV	Intake Charge Pipe
15	18104	2012	FORD F150	3.5	6	Auto-6	4WD	Federal Tier 2 Bin 4	CFMXT03.54EP	pickup	Intake Charge Pipe
16	18104	2012	FORD F150	3.5	6	Auto-6	2WD	Federal Tier 2 Bin 4	CFMXT03.54EP	pickup	Intake Charge Pipe
17	18104	2012	FORD F150	3.5	6	SemiAuto-6	4WD	Federal Tier 2 Bin 4	CFMXT03.54EP	pickup	Intake Charge Pipe
18	18104	2012	FORD F150	3.5	6	SemiAuto-6	2WD	Federal Tier 2 Bin 4	CFMXT03.54EP	pickup	Intake Charge Pipe
19	18104	2012	FORD Flex	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	CFMXV03.5VEH	SUV	Intake Charge Pipe
20	18104	2012	FORD Taurus	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	CFMXV03.5VEH	large car	Intake Charge Pipe
21	18104	2012	LINCOLN MKS	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	CFMXV03.5VEH	large car	Intake Charge Pipe
22	18104	2012	LINCOLN MKT	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	CFMXV03.5VEH	SUV	Intake Charge Pipe
23	18111	2013	DODGE Dart	1.4	4	AutoMan-6	2WD	California LEV-II LEV	DCRXV01.44P1	midsize car	Intake Charge Pipe & Intake Manifold
24	18111	2013	DODGE Dart	1.4	4	Man-6	2WD	California LEV-II LEV	DCRXV01.44P1	midsize car	Intake Charge Pipe & Intake Manifold
25	18111	2013	DODGE Dart Aero	1.4	4	AutoMan-6	2WD	California LEV-II LEV	DCRXV01.44P1	midsize car	Intake Charge Pipe & Intake Manifold
26	18111	2013	DODGE Dart Aero	1.4	4	Man-6	2WD	California LEV-II LEV	DCRXV01.44P1	midsize car	Intake Charge Pipe & Intake Manifold
27	18102	2013	FORD Edge	2.0	4	Auto-6	2WD	California LEV-II ULEV	DFMXT02.02EC	small SUV	Intake Charge Pipe
28	18101	2013	FORD Explorer	2.0	4	Auto-6	2WD	California LEV-II ULEV	DFMXT02.02EC	standard SUV	Intake Charge Pipe
29	18104	2013	FORD Explorer	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	DFMXV03.5VEP	standard SUV	Intake Charge Pipe
30	18104	2013	FORD F150	3.5	6	Auto-6	4WD	California LEV-II LEV	DFMXT03.54DX	pickup	Intake Charge Pipe
31	18104	2013	FORD F150	3.5	6	Auto-6	2WD	California LEV-II LEV	DFMXT03.54DX	pickup	Intake Charge Pipe
32	18104	2013	FORD F150	3.5	6	SemiAuto-6	4WD	California LEV-II LEV	DFMXT03.54DX	pickup	Intake Charge Pipe
33	18104	2013	FORD F150	3.5	6	SemiAuto-6	2WD	California LEV-II LEV	DFMXT03.54DX	pickup	Intake Charge Pipe
34	18104	2013	FORD Flex	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	DFMXV03.5VEP	standard SUV	Intake Charge Pipe
35	18102	2013	FORD Focus ST	2.0	4	Man-6	2WD	California LEV-II ULEV	GFMXV02.0VER	midsize car	Intake Charge Pipe
36	18102	2013	FORD Fusion	1.6	4	Man-6	2WD	California LEV-II ULEV	DFMXV01.6VDF	midsize car	Intake Charge Pipe
37	18102	2013	FORD Fusion	1.6	4	SemiAuto-6	2WD	California LEV-II ULEV	DFMXV01.6VDF	midsize car	Intake Charge Pipe
38	18102	2013	FORD Fusion	1.6	4	SemiAuto-6	2WD	California PZEV	DFMXV01.6VZF	midsize car	Intake Charge Pipe
39	18102	2013	FORD Fusion	2.0	4	SemiAuto-6	4WD	California LEV-II ULEV	DFMXV02.0VEY	midsize car	Intake Charge Pipe
40	18102	2013	FORD Fusion	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	DFMXV02.0VEY	midsize car	Intake Charge Pipe
41	18101	2013	FORD Taurus	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	DFMXV02.0VE6	large car	Intake Charge Pipe
42	18104	2013	FORD Taurus	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	DFMXV03.5VEP	large car	Intake Charge Pipe
43	18104	2013	LINCOLN MKS	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	DFMXV03.5VEP	large car	Intake Charge Pipe
44	18104	2013	LINCOLN MKT	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	DFMXV03.5VEP	small SUV	Intake Charge Pipe
45	18102	2013	LINCOLN MKT Livery	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	DFMXV02.0VE6	special purpose	Intake Charge Pipe
46	18102	2013	LINCOLN MKZ	2.0	4	SemiAuto-6	4WD	California LEV-II ULEV	DFMXV02.0VEY	midsize car	Intake Charge Pipe
47	18102	2013	LINCOLN MKZ	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	DFMXV02.0VEY	midsize car	Intake Charge Pipe
48	18111	2014	DODGE Dart	1.4	4	AutoMan-6	2WD	California LEV-III ULEV125	ECRXV01.45P0	midsize car	Intake Charge Pipe & Intake Manifold
49	18111	2014	DODGE Dart Aero	1.4	4	AutoMan-6	2WD	California LEV-III ULEV125	ECRXV01.45P0	midsize car	Intake Charge Pipe & Intake Manifold
50	18111	2014	DODGE Dart Aero	1.4	4	Man-6	2WD	California LEV-III ULEV125	ECRXV01.45P0	midsize car	Intake Charge Pipe & Intake Manifold
51	18102	2014	FORD Edge	2.0	4	Auto-6	2WD	California LEV-II ULEV	EFMXT02.02EX	small SUV	Intake Charge Pipe
52	18101	2014	FORD Explorer	2.0	4	Auto-6	2WD	California LEV-II ULEV	EFMXT02.02EX	standard SUV	Intake Charge Pipe

	Flowmaster P/N	Year	Model	Displ	Cyl	Trans	Drive	Stnd Description	Underhood ID	Veh Class	Pressure Sensor(s) affected
53	18104	2014	FORD Explorer	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	EFMXV03.5VEP	standard SUV	Intake Charge Pipe
54	18104	2014	FORD F150	3.5	6	Auto-6	4WD	California LEV-II LEV	EFMXT03.54DX	pickup	Intake Charge Pipe
55	18104	2014	FORD F150	3.5	6	Auto-6	2WD	California LEV-II LEV	EFMXT03.54DX	pickup	Intake Charge Pipe
56	18104	2014	FORD F150	3.5	6	SemiAuto-6	4WD	California LEV-II LEV	EFMXT03.54DX	pickup	Intake Charge Pipe
57	18104	2014	FORD F150	3.5	6	SemiAuto-6	2WD	California LEV-II LEV	EFMXT03.54DX	pickup	Intake Charge Pipe
58	18102	2014	FORD Fiesta SFE	1.0	4	Man-5	2WD	Federal Tier 2 Bin 4	EFMXV01.0VD1	small car	Intake Charge Pipe
59	18101	2014	FORD Fiesta ST	1.6	4	Man-6	2WD	Federal Tier 2 Bin 4	EFMXV01.6VDD	small car	Intake Charge Pipe
60	18104	2014	FORD Flex	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	EFMXV03.5VEP	standard SUV	Intake Charge Pipe
61	18102	2014	FORD Focus	2.0	4	Man-6	2WD	California LEV-II ULEV	EFMXV02.0VER	small car	Intake Charge Pipe
62	18102	2014	FORD Focus ST	2.0	4	Man-6	2WD	California LEV-II ULEV	GFMXV02.0VER	midsize car	Intake Charge Pipe
63	18102	2014	FORD Fusion	1.6	4	Man-6	2WD	California LEV-II ULEV	EFMXV01.6VDF	midsize car	Intake Charge Pipe
64	18102	2014	FORD Fusion	2.0	4	SemiAuto-6	4WD	California LEV-II ULEV	EFMXV02.0VEM	midsize car	Intake Charge Pipe
65	18102	2014	FORD Fusion	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	EFMXV02.0VEM	midsize car	Intake Charge Pipe
66	18101	2014	FORD Taurus	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	EFMXV02.0VE7	large car	Intake Charge Pipe
67	18104	2014	FORD Taurus	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	EFMXV03.5VEP	large car	Intake Charge Pipe
68	18104	2014	LINCOLN MKS	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	EFMXV03.5VEP	large car	Intake Charge Pipe
69	18104	2014	LINCOLN MKT	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	EFMXV03.5VEP	small SUV	Intake Charge Pipe
70	18102	2014	LINCOLN MKT Livery	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	EFMXV02.0VE7	specialpurpose	Intake Charge Pipe
71	18102	2014	LINCOLN MKZ	2.0	4	SemiAuto-6	4WD	California LEV-II ULEV	EFMXV02.0VEM	midsize car	Intake Charge Pipe
72	18102	2014	LINCOLN MKZ	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	EFMXV02.0VEM	midsize car	Intake Charge Pipe
73	18111	2015	DODGE Dart	1.4	4	AutoMan-6	2WD	California LEV-III ULEV125	FCRXJ01.45P0	midsize car	Intake Charge Pipe & Intake Manifold
74	18111	2015	DODGE Dart Aero	1.4	4	AutoMan-6	2WD	California LEV-III ULEV125	FCRXJ01.45P0	midsize car	Intake Charge Pipe & Intake Manifold
75	18111	2015	DODGE Dart Aero	1.4	4	Man-6	2WD	California LEV-III ULEV125	FCRXJ01.45P0	midsize car	Intake Charge Pipe & Intake Manifold
76	18101	2015	FORD Edge	2.0	4	SemiAuto-6	4WD	California LEV-III ULEV125	FFMXT02.02JT	small SUV	Intake Charge Pipe
77	18101	2015	FORD Edge	2.0	4	SemiAuto-6	2WD	California LEV-III ULEV125	FFMXT02.02JT	small SUV	Intake Charge Pipe
78	18101	2015	FORD Edge	2.7	6	SemiAuto-6	4WD	California LEV-III ULEV70	FFMXT02.72JP	small SUV	Intake Charge Pipe
79	18101	2015	FORD Edge	2.7	6	SemiAuto-6	2WD	California LEV-III ULEV70	FFMXT02.72JP	small SUV	Intake Charge Pipe
80	18101	2015	FORD Explorer	2.0	4	Auto-6	2WD	California LEV-II ULEV	FFMXT02.02EX	standard SUV	Intake Charge Pipe
81	18104	2015	FORD Explorer	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	FFMXV03.5VEP	standard SUV	Intake Charge Pipe
82	18103	2015	FORD F150	2.7	6	SemiAuto-6	4WD	California LEV-III ULEV70	FFMXT02.73JJ	pickup	Intake Charge Pipe
83	18103	2015	FORD F150	2.7	6	SemiAuto-6	2WD	California LEV-III ULEV70	FFMXT02.73JJ	pickup	Intake Charge Pipe
84	18103	2015	FORD F150	3.5	6	SemiAuto-6	4WD	California LEV-III ULEV125	FFMXT03.54IG	pickup	Intake Charge Pipe
85	18103	2015	FORD F150	3.5	6	SemiAuto-6	2WD	California LEV-III ULEV125	FFMXT03.54IG	pickup	Intake Charge Pipe
86	18102	2015	FORD Fiesta SFE	1.0	3	Man-5	2WD	Federal Tier 2 Bin 4	FFMXV01.0VD1	small car	Intake Charge Pipe
87	18101	2015	FORD Fiesta ST	1.6	4	Man-6	2WD	Federal Tier 2 Bin 4	FFMXV01.6VDD	small car	Intake Charge Pipe
88	18104	2015	FORD Flex	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	FFMXV03.5VEP	standard SUV	Intake Charge Pipe
89	18102	2015	FORD Focus	1.0	3	Man-6	2WD	Federal Tier 2 Bin 4	FFMXV01.0VD4	small car	Intake Charge Pipe
90	18102	2015	FORD Focus	2.0	4	Man-6	2WD	California LEV-II ULEV	FFMXV02.0VER	small car	Intake Charge Pipe
91	18102	2015	FORD Focus SFE	1.0	3	Man-6	2WD	Federal Tier 2 Bin 4	FFMXV01.0VD4	small car	Intake Charge Pipe
92	18102	2015	FORD Focus ST	2.0	4	Man-6	2WD	California LEV-II ULEV	GFMXV02.0VER	midsize car	Intake Charge Pipe
93	18102	2015	FORD Fusion	2.0	4	SemiAuto-6	4WD	California LEV-II ULEV	FFMXV02.0VEM	midsize car	Intake Charge Pipe
94	18102	2015	FORD Fusion	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	FFMXV02.0VEM	midsize car	Intake Charge Pipe
95	18101	2015	FORD Mustang	2.3	4	Man-6	2WD	California LEV-III ULEV70	FFMXV02.3VJW	small car	Intake Charge Pipe
96	18101	2015	FORD Mustang	2.3	4	SemiAuto-6	2WD	California LEV-III ULEV70	FFMXV02.3VJW	small car	Intake Charge Pipe
97	18101	2015	FORD Mustang Convertil	2.3	4	SemiAuto-6	2WD	California LEV-III ULEV70	FFMXV02.3VJW	small car	Intake Charge Pipe
98	18101	2015	FORD Taurus	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	FFMXV02.0VE7	large car	Intake Charge Pipe
99	18104	2015	FORD Taurus	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	FFMXV03.5VEP	large car	Intake Charge Pipe
100	18102	2015	LINCOLN MKC	2.3	4	SemiAuto-6	4WD	California LEV-II ULEV	FFMXT02.32ED	small SUV	Intake Charge Pipe
101	18104	2015	LINCOLN MKT	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	FFMXV03.5VEP	standard SUV	Intake Charge Pipe
102	18102	2015	LINCOLN MKT Livery	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	FFMXV02.0VE7	special purpose	Intake Charge Pipe
103	18102	2015	LINCOLN MKZ	2.0	4	SemiAuto-6	4WD	California LEV-II ULEV	FFMXV02.0VEM	midsize car	Intake Charge Pipe
104	18102	2015	LINCOLN MKZ	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	FFMXV02.0VEM	midsize car	Intake Charge Pipe

	Flowmaster P/N	Year	Model	Displ	Cyl	Trans	Drive	Stnd Description	Underhood ID	Veh Class	Pressure Sensor(s) affected
105	18111	2016	DODGE Dart	1.4	4	AutoMan-6	2WD	California LEV-III ULEV125	GCRXJ01.45P0	midsize car	Intake Charge Pipe & Intake Manifold
106	18111	2016	DODGE Dart Aero	1.4	4	AutoMan-6	2WD	California LEV-III ULEV125	GCRXJ01.45P0	midsize car	Intake Charge Pipe & Intake Manifold
107	18111	2016	DODGE Dart Aero	1.4	4	Man-6	2WD	California LEV-III ULEV125	GCRXJ01.45P0	midsize car	Intake Charge Pipe & Intake Manifold
108	18101	2016	FORD Edge	2.0	4	SemiAuto-6	2WD	California LEV-III ULEV125	GFMXT02.02JT	small SUV	Intake Charge Pipe
109	18101	2016	FORD Edge	2.0	4	SemiAuto-6	4WD	California LEV-III ULEV125	GFMXT02.02JT	small SUV	Intake Charge Pipe
110	18101	2016	FORD Edge	2.7	6	SemiAuto-6	4WD	California LEV-III ULEV70	GFMXT02.72JP	small SUV	Intake Charge Pipe
111	18101	2016	FORD Explorer	2.3	4	SemiAuto-6	2WD	California LEV-II ULEV	GFMXT02.32EX	standard SUV	Intake Charge Pipe
112	18101	2016	FORD Explorer	2.3	4	SemiAuto-6	4WD	California LEV-II ULEV	GFMXT02.32EX	standard SUV	Intake Charge Pipe
113	18104	2016	FORD Explorer	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	GFMXV03.5VEP	standard SUV	Intake Charge Pipe
114	18103	2016	FORD F150	2.7	6	SemiAuto-6	2WD	California LEV-III ULEV70	GFMXT02.73JJ	pickup	Intake Charge Pipe
115	18103	2016	FORD F150	2.7	6	SemiAuto-6	4WD	California LEV-III ULEV70	GFMXT02.73JJ	pickup	Intake Charge Pipe
116	18103	2016	FORD F150	3.5	6	SemiAuto-6	2WD	California LEV-III ULEV125	GFMXT03.54JG	pickup	Intake Charge Pipe
117	18103	2016	FORD F150	3.5	6	SemiAuto-6	4WD	California LEV-III ULEV125	GFMXT03.54JG	pickup	Intake Charge Pipe
118	18102	2016	FORD Fiesta SFE	1.0	3	Man-5	2WD	Federal Tier 2 Bin 4	GFMXV01.0VD1	small car	Intake Charge Pipe
119	18101	2016	FORD Fiesta ST	1.6	4	Man-6	2WD	Federal Tier 2 Bin 4	GFMXV01.6VDD	small car	Intake Charge Pipe
120	18104	2016	FORD Flex	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	GFMXV03.5VEP	standard SUV	Intake Charge Pipe
121	18102	2016	FORD Focus	1.0	3	Man-6	2WD	Federal Tier 2 Bin 4	GFMXV01.0VD4	small car	Intake Charge Pipe
122	18102	2016	FORD Focus	1.0	3	SemiAuto-6	2WD	Federal Tier 2 Bin 4	GFMXV01.0VD4	small car	Intake Charge Pipe
123	18102	2016	FORD Focus RS	2.3	4	Man-6	4WD	California LEV-II ULEV	GFMXV02.3VKA	midsize car	Intake Charge Pipe
124	18102	2016	FORD Focus ST	2.0	4	Man-6	2WD	California LEV-II ULEV	GFMXV02.0VER	midsize car	Intake Charge Pipe
125	18102	2016	FORD Fusion	2.0	4	SemiAuto-6	4WD	California LEV-II ULEV	GFMXV02.0VEM	midsize car	Intake Charge Pipe
126	18102	2016	FORD Fusion	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	GFMXV02.0VEM	midsize car	Intake Charge Pipe
127	18101	2016	FORD Mustang	2.3	4	Man-6	2WD	California LEV-III ULEV70	GFMXV02.3VJW	small car	Intake Charge Pipe
128	18101	2016	FORD Mustang	2.3	4	SemiAuto-6	2WD	California LEV-III ULEV70	GFMXV02.3VJW	small car	Intake Charge Pipe
129	18101	2016	FORD Mustang Convertil	2.3	4	SemiAuto-6	2WD	California LEV-III ULEV70	GFMXV02.3VJW	small car	Intake Charge Pipe
130	18101	2016	FORD Taurus	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	GFMXV02.0VE7	large car	Intake Charge Pipe
131	18104	2016	FORD Taurus	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	GFMXV03.5VEP	large car	Intake Charge Pipe
132	18102	2016	LINCOLN MKC	2.3	4	SemiAuto-6	4WD	California LEV-II ULEV	GFMXT02.32ED	small SUV	Intake Charge Pipe
133	18104	2016	LINCOLN MKS	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	GFMXV03.5VEP	large car	Intake Charge Pipe
134	18104	2016	LINCOLN MKT	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	GFMXV03.5VEP	standard SUV	Intake Charge Pipe
135	18102	2016	LINCOLN MKT Livery	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	GFMXV02.0VE7	special purpose	Intake Charge Pipe
136	18101	2016	LINCOLN MKX	2.7	6	SemiAuto-6	2WD	California LEV-III ULEV70	GFMXT02.72GH	small SUV	Intake Charge Pipe
137	18101	2016	LINCOLN MKX	2.7	6	SemiAuto-6	4WD	California LEV-III ULEV70	GFMXT02.72GH	small SUV	Intake Charge Pipe
138	18102	2016	LINCOLN MKZ	2.0	4	SemiAuto-6	4WD	California LEV-II ULEV	GFMXV02.0VEM	midsize car	Intake Charge Pipe
139	18102	2016	LINCOLN MKZ	2.0	4	SemiAuto-6	2WD	California LEV-II ULEV	GFMXV02.0VEM	midsize car	Intake Charge Pipe
140	18101	2017	FORD Edge	2.0	4	SemiAuto-6	2WD	California LEV-III ULEV70	HFMXT02.02JU	small SUV	Intake Charge Pipe
141	18101	2017	FORD Edge	2.0	4	SemiAuto-6	4WD	California LEV-III ULEV70	HFMXT02.02JU	small SUV	Intake Charge Pipe
142	18101	2017	FORD Edge	2.7	6	SemiAuto-6	4WD	California LEV-III ULEV70	HFMXT02.72JQ	small SUV	Intake Charge Pipe
143	18104	2017	FORD Explorer	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	HFMXV03.5VEP	standard SUV	Intake Charge Pipe
144	18103	2017	FORD F150	2.7	6	SemiAuto-6	2WD	California LEV-III ULEV70	HFMXT02.73JJ	pickup	Intake Charge Pipe
145	18103	2017	FORD F150	2.7	6	SemiAuto-6	4WD	California LEV-III ULEV70	HFMXT02.73JJ	pickup	Intake Charge Pipe
146	18103	2017	FORD F150	3.5	6	SemiAuto-10	2WD	California LEV-III ULEV125	HFMXT03.54JJ	pickup	Intake Charge Pipe
147	18103	2017	FORD F150	3.5	6	SemiAuto-10	4WD	California LEV-III ULEV125	HFMXT03.54JJ	pickup	Intake Charge Pipe
148	18103	2017	FORD F150 Raptor	3.5	6	SemiAuto-10	4WD	California LEV-III ULEV125	JFMXT03.54JM	pickup	Intake Charge Pipe
149	18104	2017	FORD Flex	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	HFMXV03.5VEP	standard SUV	Intake Charge Pipe
150	18102	2017	FORD Focus RS	2.3	4	Man-6	4WD	California LEV-II ULEV	GFMXV02.3VKA	midsize car	Intake Charge Pipe
151	18102	2017	FORD Focus ST	2.0	4	Man-6	2WD	California LEV-II ULEV	GFMXV02.0VER	midsize car	Intake Charge Pipe
152	18101	2017	FORD Fusion	2.0	4	SemiAuto-6	2WD	California LEV-III ULEV70	HFMXV02.0VEN	midsize car	Intake Charge Pipe
153	18101	2017	FORD Fusion	2.0	4	SemiAuto-6	4WD	California LEV-III ULEV70	HFMXV02.0VEN	midsize car	Intake Charge Pipe
154	18101	2017	FORD Mustang	2.3	4	Man-6	2WD	California LEV-III ULEV70	HFMXV02.3VJX	small car	Intake Charge Pipe
155	18101	2017	FORD Mustang	2.3	4	SemiAuto-6	2WD	California LEV-III ULEV70	HFMXV02.3VJX	small car	Intake Charge Pipe
156	18101	2017	FORD Mustang Convertil	2.3	4	Man-6	2WD	California LEV-III ULEV70	HFMXV02.3VJX	small car	Intake Charge Pipe

	Flowmaster P/N	Year	Model	Displ	Cyl	Trans	Drive	Stnd Description	Underhood ID	Veh Class	Pressure Sensor(s) affected
157	18101	2017	FORD Mustang Convertil	2.3	4	SemiAuto-6	2WD	California LEV-III ULEV70	HFMXV02.3VJX	small car	Intake Charge Pipe
158	18101	2017	FORD Mustang Performa	2.3	4	Man-6	2WD	California LEV-III ULEV70	HFMXV02.3VJX	small car	Intake Charge Pipe
159	18101	2017	FORD Mustang Performa	2.3	4	SemiAuto-6	2WD	California LEV-III ULEV70	HFMXV02.3VJX	small car	Intake Charge Pipe
160	18104	2017	FORD Taurus	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	HFMXV03.5VEP	large car	Intake Charge Pipe
161	18103	2017	LINCOLN Continental	2.7	6	SemiAuto-6	2WD	California LEV-III ULEV70	HFMXV02.7VLM	large car	Intake Charge Pipe
162	18103	2017	LINCOLN Continental	2.7	6	SemiAuto-6	4WD	California LEV-III ULEV70	HFMXV02.7VLM	large car	Intake Charge Pipe
163	18102	2017	LINCOLN MKC	2.3	4	SemiAuto-6	4WD	California LEV-II ULEV	HFMXT02.32ED	small SUV	Intake Charge Pipe
164	18104	2017	LINCOLN MKT	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	HFMXV03.5VEP	standard SUV	Intake Charge Pipe
165	18101	2017	LINCOLN MKX	2.7	6	SemiAuto-6	2WD	California LEV-III ULEV70	HFMXT02.72JQ	small SUV	Intake Charge Pipe
166	18101	2017	LINCOLN MKX	2.7	6	SemiAuto-6	4WD	California LEV-III ULEV70	HFMXT02.72JQ	small SUV	Intake Charge Pipe
167	18101	2017	LINCOLN MKZ	2.0	4	SemiAuto-6	2WD	California LEV-III ULEV70	HFMXV02.0VEN	midsize car	Intake Charge Pipe
168	18101	2017	LINCOLN MKZ	2.0	4	SemiAuto-6	4WD	California LEV-III ULEV70	HFMXV02.0VEN	midsize car	Intake Charge Pipe
169	18103	2018	FORD F150	2.7	6	SemiAuto-10	2WD	California LEV-III ULEV70	JFMXT02.73JK	pickup	Intake Charge Pipe
170	18103	2018	FORD F150	2.7	6	SemiAuto-10	4WD	California LEV-III ULEV70	JFMXT02.73JK	pickup	Intake Charge Pipe
171	18103	2018	FORD F150	3.5	6	SemiAuto-10	2WD	California LEV-III ULEV70	JFMXT03.54JK	pickup	Intake Charge Pipe
172	18103	2018	FORD F150	3.5	6	SemiAuto-10	4WD	California LEV-III ULEV70	JFMXT03.54JK	pickup	Intake Charge Pipe
173	18103	2018	FORD F150 Raptor	3.5	6	SemiAuto-10	4WD	California LEV-III ULEV125	JFMXT03.54JM	pickup	Intake Charge Pipe
174	18104	2018	FORD Flex	3.5	6	SemiAuto-6	2WD	California LEV-II ULEV	JFMXV03.7VE8	standard SUV	Intake Charge Pipe
175	18104	2018	FORD Flex	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	JFMXJ03.5VEP	standard SUV	Intake Charge Pipe
176	18104	2018	FORD Flex	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	JFMXV03.7VE8	standard SUV	Intake Charge Pipe
177	18102	2018	FORD Focus RS	2.3	4	Man-6	4WD	California LEV-II ULEV	GFMXV02.3VKA	midsize car	Intake Charge Pipe
178	18102	2018	FORD Focus ST	2.0	4	Man-6	2WD	California LEV-II ULEV	GFMXV02.0VER	midsize car	Intake Charge Pipe
179	18101	2018	FORD Fusion	2.0	4	SemiAuto-6	2WD	California LEV-III ULEV70	JFMXV02.0VEN	midsize car	Intake Charge Pipe
180	18101	2018	FORD Fusion	2.0	4	SemiAuto-6	4WD	California LEV-III ULEV70	JFMXV02.0VEN	midsize car	Intake Charge Pipe
181	18103	2018	LINCOLN Continental	2.7	6	SemiAuto-6	2WD	California LEV-III ULEV70	JFMXV02.7VLM	large car	Intake Charge Pipe
182	18103	2018	LINCOLN Continental	2.7	6	SemiAuto-6	4WD	California LEV-III ULEV70	JFMXV02.7VLM	large car	Intake Charge Pipe
183	18104	2018	LINCOLN MKT	3.5	6	SemiAuto-6	4WD	California LEV-II ULEV	JFMXJ03.5VEP	standard SUV	Intake Charge Pipe