

## **FUJI HEAVY INDUSTRIES, LTD.**

EXECUTIVE ORDER A-002-0162-1 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 1 of 2

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Div. 26, Part 5, Chap. 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515-39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

| MOD!<br>YEA |            | TEST                       | ST GROUP |    | M   | VEHICLE TYPE (PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=loaded vehicle weight; ALVW=adjusted LVW)               |  |            | UST EMISSION ARD CATEGORY w emission vehicle; EV=ultra LEV; EV=super ULEV)  | EXHAUST & ORVR/<br>EVAPORATIVE<br>USEFUL LIFE (UL)<br>(miles) | FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas) |  |  |  |  |
|-------------|------------|----------------------------|----------|----|-----|--|--|------------|---|---|--|--|--|--|--|
| 200         | 2009 9FJXJ |                            |          | (F |     | <sup>2</sup> C and LDT ≤ 6,000 pounds (<br>C; LDT 3,751 – 5,750 pounds   |  | LEV II LEV | 150K / 150K   | Gasoline  |  |  |  |  |  |
| No.         |            | VAPORATIVE<br>AMILY (EVAF) |          |    | No. | SPECIAL FEATU<br>EMISSION CONTROL S  |  | (ECS)      | * = not applicable  | OC/TWC=oxldizIng/3-way  | at. ADSTWC=adsorbing TWC   |  |  |  |  |
| 1           | 9FJ)       | 9FJXR01253CH               |          |    | 1   | TWC(2), HAFS, HO2S, SFI, AIR, TC, CAC, OBD (P)  WU= warm-up cat. O2S/HO2S=oxygen sensor/hea AFS/HAFS=air-fuel ratio sensor/heated AFS EGR: |  |            |   |   |  |  |  |  |  |
| 2           | 9FJ)       | 9FJXR01253CN               |          |    | 2   |  | Resecondary air injection/pulsed fuel injection/sequential MFI |            |   |   |  |  |  |  |  |
| 3           |            | *                          |          |    | 3   |  | *  | ·          | AIR MFI/SFI= multiport fuel injection/sequential MFI TBI= throttle body injection TC/SC=turbo /super charger CAC=charge air cooler OBD (F) / (P)=full /partial on-board |   |  |  |  |  |  |
| 4           |            | •                          |          |    | 4   |  | *  |            |   | diagnostic prefix 2=parali                                    | BD (F) / (P)=full /partial on-board<br>el (2) suffix=series                        |  |  |  |  |
| EVAF        |            | ECS                        | ÉNGIN    |    |     | VEHICLE  | VEHIC  | CLES SUBJ  | ECT TO SETP   |   |  |  |  |  |  |
| No.         | o. No.     |                            | _SIZE (  | L) |     | MAKES & MODELS   | STANE  | DARDS ARI  | UNDERLINED  |   |  |  |  |  |  |
| 1           |            | 1 2.5                      |          | _  |     | SUBARU: (PC) LEGACY AWD (2.5GT-Ltd., Spec. B), LEGACY WAGON AWD 2.5GT-Ltd.   |  |            |   |   |  |  |  |  |  |
| 1           |            | 1 2,5                      |          |    |     | SUBARU: (LDT 3,751-5,750 pounds LVW) OUTBACK WAGON AWD 2.5XT-Ltd.  |  |            |   |   |  |  |  |  |  |
| 2           |            | 1 2.5                      |          |    |     | SUBARU: (LDT 3,751-5,750 pounds LVW) FORESTER 2,5XT  |  |            |   |   |  |  |  |  |  |
| *           |            | * *                        |          |    |     |  |  |            |   |   |  |  |  |  |  |

The exhaust and evaporative emission standards (STD) and certification emission levels (CERT) for the listed vehicles are as follows (compliance with the 50 °F testing requirement (for TLEV, LEV, ULEV, SULEV) may have been met based on the manufacturer's submitted compliance plan in lieu of testing). Any debit in the manufacturer's "NMOG Fleet Average" (PC and LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required. (For bi, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

| NMOG FLEET !<br>AVERAGE [g/mi] |                            |           | NMOG @ RAF = *<br>CH4 RAF = * |                               |          | NMOG or         | CH4=methane NMOG=non-CH4 organic gases NMHC=non-CH4 hydrocarbons CO=carbon monoxide NOx=oxides of nitrogen HCHO=formaldehyde PM=particulate matter RAF=reactivity adjustment factor 2/3 D [g/test]=2/3 day |            |             |                |                        |             |                           |            |  |             |                |
|--------------------------------|----------------------------|-----------|-------------------------------|-------------------------------|----------|-----------------|--|------------|-------------|----------------|------------------------|-------------|---------------------------|------------|--|-------------|----------------|
| STE                            | STD NMOG NMH               |           |                               |                               | NMHC     | NMHC<br>STD     | diurnal+h  | DI-SORK KI | և [g/m/j=ru | nning lo       | ss OR                  | VR [g/gallo | n dispensed<br>Fahrenheit | ]≖on-board | nent ractor<br>refueling vap<br>piemental fe | or recovery | g≖gram         |
|                                | C/LDT1 LDT2<br>0.038 0.047 |           |                               |                               | CERT     | [g/mi]          |  | [g/mi]     | NO.         | x [g/m         | 1]                     | нсно[       |                           |            | g/mi]  | Hwy NO      |                |
| 0.03                           |                            |           |                               |                               | [g/mi]   |                 | CERT   | STD        | CER         | Г <u></u> S    | TD                     | CERT        | STD                       | CERT       | STD  | CERT        | STD            |
| forth a                        | @ 50K                      |           | 0.019                         |                               |          | 0.075           | 0.6  | 3.4        | 0.02        | .02 0.05       |                        | 0.4         | 15                        | *          | *  | 0.01        | 0.07           |
|                                | 2002020                    | @ UL      | 0.029                         |                               | -        | 0.090           | 1.1  | 4.2        | 0.03        | 0              | .07                    | 1           | 18                        | *          | 0.01   | 0.02        | 0.09           |
| 211                            | @ 50°F                     | & 4K      | 0.080                         |                               | *        | 0.150           | 1.1  | 3.4        | 0.01        | 0              | .05                    | 1           | 30                        | *          | *  | *           | *              |
| @ 20                           | 19E& 🛭                     | LE        | V) or 50K                     | ULEV, VLEV,<br>(Tier 1, TLEV) | 1, TLEV) | NMHC+N<br>(comp |  |            |             |                | MHC+NOx<br>/mi] [US06] |             |                           |            | HC+NOx<br>ni] [SC03]                         | CO          | [g/ml]<br>C031 |
| 50                             | K                          | SFTP 2    | = @ UL (T                     | ier 1,                        | TLEV)    | CERT            | STD  | CERT       | STD         | CER            | Γ 5                    | STD CI      | RT ST                     |            |  | CERT        | STD            |
| CERT                           | 3.6                        |           |                               |                               | SFTP 1   | *               | *  | *          | -           | 0.02           | 0                      | 1.14        | 0.8 8.0                   | 0.02       | 0.20   | 1.3         | 2.7            |
| STD                            | 10.0                       | ref dist. | - 76                          |                               | SFTP 2   | *               | +  | -          | *           | *              |                        | *           | * *                       | *          | *  | *           | •              |
| @ UL                           |                            |           | -                             | IVE FAMILY 1                  |          |                 | EVAPORATIVE FAMILY 2   |            |             | EVAPORATIVE FA |                        |             | AMILY 3                   |            | EVAPORATIVE FAMILY 4                         |             | LY 4           |
|                                | 3-D                        | 2-D       | R                             | L                             | ORVR     | 3-D             | 2-D  | RL         | ORVR        | 3-D            | 2-                     | D R         | LORV                      | R 3-D      | 2-D  | RL          | ORVR           |
| CERT                           | 0.30                       | 0.40      | 0.0                           | 00                            | 0.02     | 0.26            | 0.27   | 0.00       | 0.01        | *              | 7                      |             | +                         | *          | *  | 1           |                |
| STD                            | 0.50                       | 0.64      | 5 0.0                         | )5                            | 0.20     | 0.65            | 0.85   | 0.05       | 0.20        | *              | 1                      |             |                           | *          | *  | *           | •              |
|                                | 4                          |           |                               |                               |          |                 |  |            |             |                |                        |             |                           |            |  |             |                |

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model PC, LDT and MDV).

**BE IT FURTHER RESOLVED:** Additional NMOG fleet average or vehicle equivalent credits are granted to the listed vehicle models pursuant to 13 CCR Section 1961(a)(8) [optional 150K certification].



## **FUJI HEAVY INDUSTRIES, LTD.**

EXECUTIVE ORDER A-002-0162-1 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 2 of 2

BE IT FURTHER RESOLVED: The test group listed in this Executive Order is certified based on the manufacturer's reported emissions and attestation that it meets all applicable certification requirements currently in effect and enforceable for the 2009 model year, as described above. A January 16, 2007 Order currently enjoins the Executive Officer from enforcing any provision of California Health and Safety Code section 43018.5(b)(1) concerning certification to the requirements for 2009 and subsequent model passenger cars, light-duty trucks, and medium-duty vehicles adopted pursuant to AB 1493. (Document 606, Case No. 1:04-CV-06663-AWI-GSA, U.S. Dist. Ct. E. Dist. of CA (Fresno Div.).) If said injunction ceases to be in effect, the manufacturer will have 45 days from ARB notification to demonstrate compliance with AB 1493 requirements, including the determination of the greenhouse gas values for the test group listed in this Executive Order. Nothing in this Executive Order is intended to constitute enforcement of any requirement under AB 1493 for 2009 model year vehicles.

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations. The Bureau of Automotive Repair will be notified by copy of this Executive Order.

This Executive Order hereby supersedes Executive Order A-002-0162 dated January 22, 2008.

Executed at El Monte, California on this 24 day of April 2008.

Annette Hebert, Chief

Mobile Source Operations Division