

| Firmware    | Interface                   | Engine    | TMAP_V     | AvgIgn | DWP         | MethTrigger | IFF         | MethSafe | MoMeth   | Add      | Scale      | PSI     | VIN | E85_Setup | VFF_Offset | fuel_30 | fuel_35 | fuel_40 | fuel_45 | fuel_50 | fuel_55 | fuel_60 | fuel_65 | fuel_70 |         |        |        |
|-------------|-----------------------------|-----------|------------|--------|-------------|-------------|-------------|----------|----------|----------|------------|---------|-----|-----------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 13/5//5     | JB4 iOS 7202 F Series - ALL |           | 1.2        |        | 1.7         | 0           | 0           | 30       | 0        | 65       | 25         | 10.9    |     |           | 255        | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |        |        |
| BoostSafety | PID Gain                    | AutoShift | RedFuel_OL | FUA    | 1st_limiter | 2nd_limiter | 3rd_limiter | FUD      | N20_TMAP | 6CylMode | LastSafety |         |     | duty_15   | duty_20    | duty_25 | duty_30 | duty_35 | duty_40 | duty_45 | duty_50 | duty_55 | duty_60 | duty_65 | duty_70 |        |        |
| 31.9        | 10                          | 20        | 50         |        | 0           | 0           | 0           | 0        | 0        | 1        | 0          | 0       |     | 0         | 0          | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |         |        |        |
| timestamp   | rpm                         | ecu_psi   | target     | boost  | pedal       | iat         | fuelen      | wgdc     | throttle | fp_h     | ign_1      | avg_ign |     | dutycycle | trims      | dme_bt  | meth    | fp_l    | afr     | gear    | ff      | load    | clock   | map     | ign_4   | waterf | transf |
| 473.25      | 1440                        | 0         | 0.1        | 0      | 0           | 0           | 53          | 0        | 0        | 20       | 11         | 0       | 1.5 | 86        | 25         | 0.2     | 0       | 116     | 3.8     | 3       | 0       | 20.2    | 5       | 6       | 0       | 210    | 167    |
| 474.5       | 1409                        | 0         | 0          | 0      | 0           | 7           | 53          | 0        | 0        | 17       | 11         | 0       | 1.5 | 86        | 25         | 0       | 0       | 115     | 3.8     | 3       | 0       | 20.2    | 5       | 6       | 0       | 210    | 167    |
| 476         | 1421                        | 0         | 0          | 0      | 0           | 7           | 53          | 0        | 0        | 16       | 10         | 17      | 1.5 | 86        | 25         | 0       | 0       | 110     | 3.8     | 3       | 0       | 20.2    | 5       | 6       | 0       | 210    | 167    |
| 478.5       | 1377                        | 0         | 0          | 0      | 0           | 8           | 53          | 0        | 0        | 16       | 11         | 17      | 1.5 | 86        | 25         | 0       | 0       | 110     | 3.8     | 3       | 0       | 20.2    | 4       | 6       | 20.2    | 210    | 167    |
| 480         | 1406                        | 0         | 0          | 0      | 0           | 10          | 53          | 0        | 0        | 17       | 11         | 26      | 1.5 | 86        | 25         | 0       | 0       | 118     | 20      | 3       | 0       | 20.2    | 4       | 6       | 20.2    | 210    | 167    |
| 481.5       | 1431                        | 0         | 0          | 0      | 0           | 10          | 53          | 0        | 0        | 17       | 11         | 26      | 1.5 | 86        | 25         | 0       | 0       | 117     | 20      | 3       | 0       | 20.2    | 4       | 6       | 16      | 210    | 167    |
| 485.75      | 1444                        | 0         | 0          | 0      | 0           | 22          | 53          | 0        | 0        | 24       | 13         | 24      | 1.5 | 86        | 25         | 0       | 0       | 137     | 14.1    | 3       | 0       | 20.2    | 4       | 6       | 26.5    | 210    | 168    |
| 488.5       | 1482                        | 0         | 0          | 0      | 0           | 29          | 53          | 0        | 0        | 28       | 15         | 18      | 1.5 | 87        | 25         | 0       | 0       | 154     | 14.1    | 3       | 0       | 20.2    | 4       | 6       | 20      | 210    | 168    |
| 490         | 1464                        | 0         | 0          | 0      | 0           | 29          | 53          | 0        | 0        | 34       | 15         | 16.5    | 1.5 | 87        | 25         | 0       | 0       | 155     | 12.6    | 3       | 0       | 20.2    | 4       | 6       | 20      | 210    | 168    |
| 492.75      | 1495                        | 0.3       | 0.1        | 0.1    | 0.3         | 30          | 53          | 0        | 0        | 36       | 15         | 15.5    | 1.5 | 83        | 25         | 0.2     | 0       | 154     | 12.6    | 3       | 0       | 20.2    | 4       | 6       | 16.5    | 210    | 168    |
| 494.25      | 1542                        | 0.3       | 0.1        | 0.3    | 0.3         | 30          | 53          | 0        | 0        | 34       | 15         | 15.5    | 1.5 | 81        | 25         | 0.2     | 0       | 154     | 13.3    | 3       | 0       | 20.2    | 4       | 6       | 16.5    | 210    | 168    |
| 495.75      | 1577                        | 0.3       | 0.1        | 0.3    | 0.3         | 30          | 53          | 0        | 0        | 34       | 15         | 15.5    | 1.5 | 81        | 25         | 0.2     | 0       | 153     | 13.3    | 3       | 0       | 20.2    | 4       | 6       | 15.5    | 210    | 168    |
| 498.5       | 1620                        | 0         | 1.4        | 0.3    | 0.3         | 34          | 53          | 0        | 0        | 33       | 15         | 15      | 1.5 | 86        | 20         | 1.4     | 0       | 153     | 13.7    | 3       | 0       | 20.2    | 5       | 6       | 17      | 210    | 168    |
| 500.25      | 1679                        | 0.3       | 1.4        | 0.6    | 0.6         | 34          | 53          | 0        | 0        | 53       | 15         | 14      | 1.5 | 86        | 26         | 1.4     | 0       | 154     | 15.2    | 3       | 0       | 20.2    | 5       | 6       | 17      | 210    | 168    |
| 503.25      | 1845                        | 1.2       | 2.1        | 1.6    | 1.6         | 41          | 53          | 0        | 0        | 60       | 15         | 11      | 1.5 | 79        | 29         | 2       | 0       | 152     | 15.2    | 3       | 0       | 20.2    | 5       | 6       | 13.5    | 210    | 168    |
| 505         | 1887                        | 1.8       | 2.4        | 1.8    | 1.8         | 41          | 51          | 0        | 0        | 61       | 15         | 11      | 1.5 | 67        | 27         | 2       | 0       | 153     | 14.6    | 3       | 0       | 20.2    | 5       | 6       | 13.5    | 210    | 168    |
| 509.5       | 2020                        | 0.8       | 1.4        | 1      | 1           | 39          | 51          | 0        | 0        | 38       | 15         | 15      | 1.5 | 82        | 28         | 1.4     | 0       | 153     | 14      | 3       | 0       | 20.2    | 4       | 6       | 12.5    | 210    | 168    |
| 513         | 2047                        | 1.7       | 6.2        | 2.1    | 2.1         | 52          | 50          | 0        | 0        | 60       | 15         | 13.5    | 1.5 | 86        | 27         | 3.9     | 0       | 156     | 14.4    | 3       | 0       | 20.2    | 4       | 6       | 12.1    | 210    | 168    |
| 514.5       | 2174                        | 2.2       | 10.1       | 3.1    | 3.1         | 65          | 50          | 0        | 0        | 76       | 15         | 13.5    | 1.5 | 86        | 26         | 6.3     | 0       | 147     | 14.4    | 3       | 0       | 20.2    | 4       | 6       | 11.5    | 210    | 168    |
| 515.75      | 2252                        | 3.3       | 10.1       | 4.3    | 4.3         | 65          | 50          | 0        | 0        | 81       | 16         | 12.5    | 1.5 | 86        | 27         | 6.3     | 0       | 156     | 14.9    | 3       | 0       | 20.2    | 4       | 6       | 11.5    | 210    | 168    |
| 519         | 2354                        | 4.9       | 13.2       | 7.2    | 7.2         | 76          | 50          | 0        | 0        | 82       | 16         | 12      | 1.5 | 86        | 31         | 7.9     | 0       | 152     | 14.9    | 3       | 0       | 20.2    | 4       | 6       | 11.6    | 210    | 168    |
| 520.5       | 2463                        | 5.7       | 13.2       | 9.2    | 9.2         | 76          | 50          | 0        | 1        | 83       | 17         | 9.5     | 1.5 | 86        | 33         | 7.9     | 0       | 152     | 14.4    | 3       | 0       | 20.2    | 4       | 6       | 11.6    | 210    | 168    |
| 523.5       | 2569                        | 8.5       | 14.3       | 13.3   | 13.3        | 80          | 50          | 0        | 1        | 82       | 18         | 7.5     | 1.5 | 84        | 33         | 8.7     | 0       | 151     | 14.4    | 3       | 0       | 20.2    | 4       | 6       | 8.5     | 210    | 168    |
| 525.25      | 2697                        | 9.1       | 14.8       | 15.2   | 15.2        | 81          | 50          | 0        | 2        | 83       | 18         | 6.5     | 1.5 | 83        | 34         | 8.7     | 31      | 148     | 14.5    | 3       | 0       | 20.2    | 5       | 6       | 8.5     | 210    | 168    |
| 528.5       | 2859                        | 10.2      | 15         | 15.6   | 15.6        | 81          | 50          | 0        | 1        | 83       | 18         | 7.5     | 1.5 | 82        | 33         | 9.8     | 100     | 154     | 13.8    | 3       | 1       | 20.2    | 5       | 6       | 8       | 210    | 168    |
| 530.25      | 3140                        | 10.3      | 16.3       | 16.2   | 16.2        | 83          | 50          | 0        | 3        | 76       | 18         | 8       | 1.5 | 82        | 30         | 10.5    | 100     | 151     | 13.3    | 3       | 1       | 20.2    | 5       | 6       | 5.8     | 210    | 168    |
| 532         | 3277                        | 10.9      | 16.7       | 17     | 17          | 83          | 48          | 0        | 3        | 81       | 18         | 8       | 1.5 | 81        | 29         | 10.5    | 100     | 150     | 13.5    | 3       | 4       | 20.2    | 5       | 6       | 5.8     | 210    | 168    |
| 535         | 3428                        | 12.2      | 19.7       | 19.4   | 19.4        | 91          | 48          | 0        | 8        | 84       | 18         | 7.5     | 1.5 | 80        | 27         | 12.4    | 100     | 150     | 13      | 3       | 6       | 20.2    | 4       | 6       | 7       | 210    | 168    |
| 536.5       | 3582                        | 12.1      | 20.3       | 20.3   | 20.3        | 91          | 48          | 0        | 9        | 85       | 18         | 5       | 1.5 | 79        | 27         | 12.4    | 100     | 152     | 12.6    | 3       | 9       | 20.2    | 4       | 6       | 7       | 210    | 168    |
| 540         | 3714                        | 14.1      | 23.8       | 23.4   | 100         | 48          | 0           | 15       | 90       | 18       | 5          |         | 1.7 | 79        | 27         | 14.6    | 100     | 153     | 12.1    | 3       | 13      | 20.2    | 4       | 6       | 8.1     | 210    | 168    |
| 541.5       | 4035                        | 14.2      | 25.1       | 25.3   | 100         | 50          | 0           | 17       | 91       | 18       | 6          |         | 1.7 | 76        | 27         | 14.6    | 100     | 156     | 12.1    | 3       | 18      | 20.2    | 4       | 6       | 8.1     | 210    | 168    |
| 545         | 4205                        | 15.8      | 25.8       | 27     | 100         | 50          | 0           | 18       | 95       | 18       | 6.5        |         | 1.8 | 77        | 27         | 15.3    | 100     | 155     | 11.9    | 3       | 19      | 20.2    | 4       | 6       | 7.6     | 208    | 168    |
| 546.75      | 4378                        | 15.6      | 26.5       | 27.7   | 100         | 51          | 0           | 19       | 70       | 18       | 8          |         | 1.8 | 75        | 27         | 15.3    | 100     | 157     | 12.1    | 3       | 20      | 20.2    | 4       | 6       | 8.3     | 208    | 168    |
| 548         | 4587                        | 15.5      | 27.3       | 27.5   | 100         | 51          | 0           | 21       | 56       | 18       | 9          |         | 1.8 | 75        | 29         | 15.3    | 100     | 151     | 12.3    | 3       | 21      | 20.2    | 4       | 6       | 8.3     | 206    | 168    |
| 551.25      | 4899                        | 15.2      | 28.5       | 28.5   | 100         | 53          | 0           | 23       | 65       | 17       | 9          |         | 1.8 | 75        | 32         | 15.3    | 100     | 149     | 12.5    | 3       | 23      | 20.2    | 4       | 6       | 7.7     | 206    | 168    |
| 553         | 5084                        | 15.1      | 29.4       | 28.8   | 100         | 55          | 0           | 25       | 101      | 17       | 7.5        |         | 1.8 | 74        | 34         | 15.3    | 100     | 149     | 12.4    | 3       | 25      | 20.2    | 4       | 6       | 7.7     | 204    | 168    |
| 555.75      | 5254                        | 13.4      | 30         | 28.8   | 100         | 57          | 0           | 26       | 96       | 17       | 9.5        |         | 1.8 | 73        | 37         | 14.5    | 100     | 147     | 12.4    | 3       | 25      | 20.2    | 4       | 6       | 9.7     | 204    | 168    |
| 557.75      | 5339                        | 13.5      | 30.4       | 29     | 100         | 59          | 0           | 27       | 100      | 16       | 10.5       |         | 1.8 | 73        | 41         | 14.5    | 100     | 141     | 12      | 3       | 26      | 20.2    | 4       | 6       | 9.7     | 203    | 168    |
| 559.25      | 5519                        | 13        | 30.9       | 29.1   | 100         | 59          | 0           | 27       | 100      | 15       | 10.5       |         | 1.7 | 73        | 41         | 14      | 100     | 129     | 12      | 3       | 26      | 20.2    | 4       | 6       | 10.7    | 203    | 168    |
| 562.75      | 5450                        | 9.2       | 0          | 13.2   | 0           | 62          | 0           | 1        | 17       | 16       | 29         |         | 1.7 | 84        | 42         | 0       | 100     | 147     | 12.6    | 3       | 0       | 20.2    | 4       | 6       | 0.9     | 201    | 168    |
| 564.25      | 5533                        | 6         | 0          | 7.5    | 0           | 60          | 0           | 0        | 17       | 14       | 0          |         | 1.7 | 84        | 40         | 0       | 100     | 136     | 12.4    | 3       | 0       | 20.2    | 4       | 6       | 0.9     | 199    | 168    |
| 567         | 5472                        | 2.8       | 0          | 3.3    | 0           | 59          | 0           | 0        | 19       | 12       | 0          |         | 1.7 | 84        | 37         | 0       | 71      | 123     | 12.4    | 3       | 0       | 20.2    | 4       | 6       | 0       | 199    | 168    |
| 568.5       | 5406                        | 2.2       | 0          | 2.4    | 0           | 59          | 0           | 0        | 20       | 12       | 0          |         | 1.7 | 84        | 34         | 0       | 44      | 122     | 12      | 3       | 0       | 20.2    | 4       | 6       | 0       | 199    | 168    |
| 571.25      | 5349                        | 1.5       | 0          | 1.6    | 0           | 57          | 0           | 0        | 20       | 12       | 0          |         | 1.7 | 83        | 32         | 0       | 13      | 120     | 12      | 4       | 0       | 20.2    | 4       | 6       | 0       | 199    | 168    |
| 572.75      | 5170                        | 1.1       | 0          | 1.1    | 0           | 57          | 0           | 0        | 21       | 12       | 0          |         | 1.7 | 85        | 25         | 0       | 6       | 124     | 12.4    | 4       | 0       | 20.2    | 5       | 6       | 0       | 197    | 168    |
| 575.75      | 4886                        | 1.1       | 0          | 1      | 0           | 57          | 0           | 0        | 22       | 12       | 0          |         | 1.7 | 85        | 25         | 0.1     | 2       | 125     | 3.8     | 4       | 0       | 20.2    | 5       | 6       | 0       | 197    | 168    |
| 577         | 4593                        | 1.1       | 0          | 1      | 0           | 57          | 0           | 0        | 23       | 11       | 0          |         | 1.7 | 85        | 25         | 0       | 1       | 125     | 3.8     | 4       | 0       | 20.2    | 5       | 6       | 0       | 195    | 168    |
| 578.5       | 4258                        | 1.2       | 0          | 1.1    | 0           | 57          | 0           | 0        | 24       | 11       | 3.5        |         | 1.7 | 85        | 25         | 0       | 1       | 119     | 20.6    | 4       | 0       | 20.2    | 5       | 6       | 0       | 195    | 168    |
| 581.5       | 4136                        | 1.1       | 0          | 1.1    | 0           | 57          | 0           | 0        | 22       | 12       | 0          |         | 1.7 | 85        | 25         | 0       | 0       | 120     | 20.6    | 4       | 0       | 20.2    | 5       | 6       | 0       | 195    | 168    |
| 582.75      | 4076                        | 1.1       | 0          | 1.1    | 0           | 57          | 0           | 0        | 20       | 12       | 0          |         | 1.7 | 85        | 24         | 0       | 0       | 121     | 14.5    | 4       | 0       | 20.2    | 4       | 6       | 0       | 195    | 168    |
| 587         | 4047                        | 1.3       | 0          | 1.3    | 0           | 59          | 0           | 0        | 20       | 12       | 0          |         | 1.7 | 86        | 26         | 0       | 0       | 120     | 14.9    | 4       | 0       | 20.2    | 4       | 6       | 0       | 194    | 168    |
| 589.75      | 4040                        | 1.5       | 0          | 1.3    | 0           | 59          | 0           | 0        | 20       | 12       | 0          |         | 1.7 | 85        | 27         | 0       | 0       | 122     | 15.2    | 4       | 0       | 20.2    | 4       | 6       | 0       | 194    | 168    |
| 591.25      | 4024                        | 1.1       | 0          | 1.1    | 0           | 59          | 0           | 0        | 21       | 12       | 0          |         | 1.7 | 85        | 25         | 0.1     | 0       | 123     | 15.4    | 4       | 0       | 20.2    | 4       | 6       | 0       | 194    | 168    |
| 592.75      | 4006                        | 1.1       | 0          | 1      | 0           | 59          | 0           | 0        | 21       | 12       | 0          |         | 1.7 | 86        | 25         | 0.1     | 0       | 123     | 15.2    | 4       | 0       | 20.2    | 5       | 6       | 0       | 194    | 168    |
| 595.25      | 3972                        | 0.9       | 0          | 0.9    | 0           | 59          | 0           | 0        | 21       | 12       | 0          |         | 1.7 | 85        | 25         | 0.1     | 0       | 123     | 3.8</   |         |         |         |         |         |         |        |        |