

TWO-SPRING NOZZLE HOLDER CALIBRATION DATA

FOR ISUZU (14/15)

Engine model	Nozzle & nozzle holder assembly no.*	Nozzle holder part no. (Stamping mark and discrimination mark)	Nozzle part no. (Stamping mark)	Nozzle service kit no. ¹	Pre-lift (±0.02mm)	First nozzle opening pressure MPa {kgf/cm ² }	Second nozzle opening pressure ² MPa {kgf/cm ² }	Second nozzle opening pressure ³ MPa {kgf/cm ² } [lift mm]	Valve lift (mm)	Nozzle holder type
4HG1-T	105118-7530 [5-86705-240-0]	105048-3832 (48-3832,C)	105017-3240 (NP-DLLA142PN324)	105019-1460	0.04	18.1 {185}	-	22.1 ~ 23.0 {225 ~ 235} [Actual pre-lift+0.05]	0.3	KBL2.4-P
4HG1-T	105118-7540 [8-97200-570-1]	105048-4280 (48-4280,E)	105017-2500 (NP-DLLA143PN250)	105019-1210	0.04	18.1 {185}	-	22.1 ~ 23.0 {225 ~ 235} [Actual pre-lift+0.05]	0.3	KBL2.4-P
4HG1-T	105118-7541 [8-97200-570-2]	105048-4280 (48-4280,F)	105017-2650 (NP-DLLA143PN265)	105019-1211	0.04	18.1 {185}	-	22.1 ~ 23.0 {225 ~ 235} [Actual pre-lift+0.05]	0.3	KBL2.4-P
4HG1-T	105118-7542 [8-97200-570-3]	105048-3832 (48-3832,F)	105017-3250 (NP-DLLA143PN325)	105019-1470	0.04	18.1 {185}	-	22.1 ~ 23.0 {225 ~ 235} [Actual pre-lift+0.05]	0.3	KBL2.4-P
4HK1	105118-7551 [8-97209-863-1]	105048-4300 (48-4300,B)	105017-2520 (NP-DLLA147PN252)	105019-1600	0.04	18.0 {184}	-	23.0 ~ 24.0 {235 ~ 245} [Actual pre-lift+0.05]	0.3	KBL2.4-P
4JA1L	105118-7720 [8-97217-642-0]	105048-2230 (48-2230,A)	105017-2700 (NP-DLLA154PN270)	105019-1540	0.04	19.1 {195}	-	26.0 ~ 27.0 {265 ~ 275} [Actual pre-lift+0.05]	0.25	KBL2.4-P
4JA1L	105118-7721 [8-97217-642-0]	105048-2231 (48-2231,A)	105017-2700 (NP-DLLA154PN270)	105019-1540	0.04	19.1 {195}	-	26.0 ~ 27.0 {265 ~ 275} [Actual pre-lift+0.05]	0.25	KBL2.4-P
4JA1L	105118-7722 [8-97382-946-0]	105048-2231 (48-2231,A)	105017-2700 (NP-DLLA154PN270)	105019-1540	0.04	19.1 {195}	-	26.0 ~ 27.0 {265 ~ 275} [Actual pre-lift+0.05]	0.25	KBL2.4-P
4HF1	105118-7800 [8-97224-388-0]	105048-4300 (48-4300,E)	105017-2740 (NP-DLLA152PN274)	105019-1700	0.04	18.0 {184}	-	23.0 ~ 24.0 {235 ~ 245} [Actual pre-lift+0.05]	0.3	KBL2.4-P
4HG1	105118-7810 [8-97224-389-0]	105048-4300 (48-4300,F)	105017-2750 (NP-DLLA152PN275)	105019-1710	0.04	18.0 {184}	-	23.0 ~ 24.0 {235 ~ 245} [Actual pre-lift+0.05]	0.3	KBL2.4-P
4HG1	105118-7901 [8-97226-680-1]	105048-4300 (48-4300,L)	105017-2770 (NP-DLLA149PN277)	105019-1760	0.05	18.0 {184}	-	23.0 ~ 24.0 {235 ~ 245} [Actual pre-lift+0.05]	0.3	KBL2.4-P
4HF1	105118-7950 [8-97235-539-0]	105048-4300 (48-4300,H)	105017-2320 (NP-DLLA152PN232)	105019-1770	0.05	18.0 {184}	-	23.0 ~ 24.0 {235 ~ 245} [Actual pre-lift+0.05]	0.3	KBL2.4-P
4HG1	105118-7960 [8-97235-540-0]	105048-4300 (48-4300,J)	105017-2640 (NP-DLLA152PN264)	105019-1780	0.05	18.0 {184}	-	23.0 ~ 24.0 {235 ~ 245} [Actual pre-lift+0.05]	0.3	KBL2.4-P
4HK1	105118-7970 [8-97235-541-0]	105048-4300 (48-4300,K)	105017-2520 (NP-DLLA147PN252)	105019-1790	0.055	18.0 {184}	-	23.0 ~ 24.0 {235 ~ 245} [Actual pre-lift+0.05]	0.3	KBL2.4-P
4JG1	105118-8290 [8-97327-244-0]	105048-2300 (48-2300,-)	105017-2940 (NP-DLLA141PN294)	105019-1350	0.04	19.1 {195}	-	26.0 ~ 27.0 {265 ~ 275} [Actual pre-lift+0.05]	0.25	KBL2.4-P

Note: * The number in brackets [] is the manufacturer's part number.

Lift is dial gauge lift at confirmation.

1. Use the nozzle service kit for nozzle replacement of KBL2.3-S, KBL2.4-S and KBL2.4-P type nozzle holders. Never replace only the nozzle itself of these types.
2. This is the second nozzle opening pressure adjusted without a cover installed.
3. This is the second nozzle opening pressure adjusted with a cover installed.
4. Adjust using the standard spacer: 157803-4000 (2.4-P)
5. Adjust using the standard spacer: 157803-3900 (improved 2.4-P)