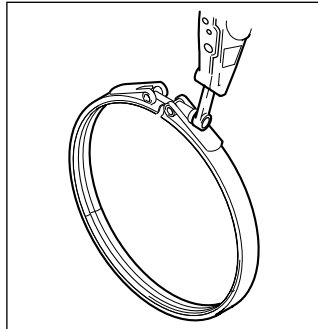
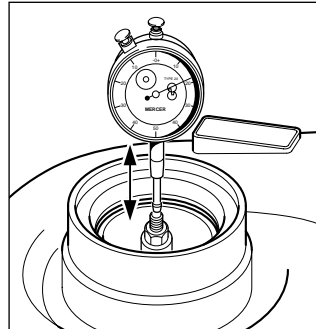


VG Service Data Sheet 1 of 9

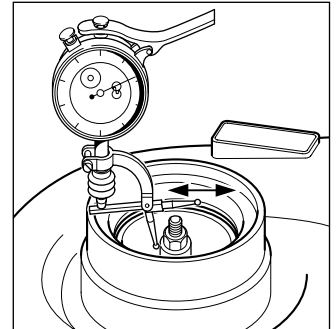
Locknut, V-Band
Turbine (Item 28)



Radial Movement
(TIR)



Axial Clearance



Turbo Model

Nm (lb. in)

mm (in)

mm (in)

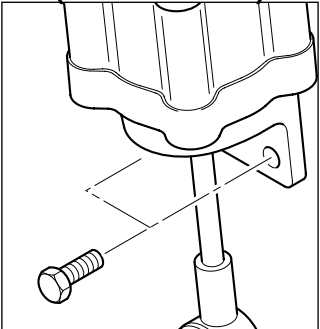
HE341Ve	N/A	0.305 - 0.508 (0.012 - 0.020)	0.025 - 0.127 (0.001 - 0.005)
HE431V/VTi	N/A	0.254 - 0.356 (0.010 - 0.014)	0.025 - 0.127 (0.001 - 0.005)
HE551V	N/A	0.457 - 0.686 (0.018 - 0.027)	0.051 - 0.127 (0.002 - 0.005)
HE551VTi	N/A	0.381 - 0.533 (0.015 - 0.021)	0.051 - 0.127 (0.002 - 0.005)
HX40V	8.5 (75)	0.305 - 0.457 (0.012 - 0.018)	0.025 - 0.127 (0.001 - 0.005)
HY40V	8.5 (75)	0.254 - 0.356 (0.010 - 0.014)	0.025 - 0.127 (0.001 - 0.005)
HX55V	8.5 (75)	0.406 - 0.610 (0.016 - 0.024)	0.025 - 0.127 (0.001 - 0.005)
HY55V	8.5 (75)	0.381 - 0.533 (0.015 - 0.021)	0.025 - 0.127 (0.001 - 0.005)

Caution

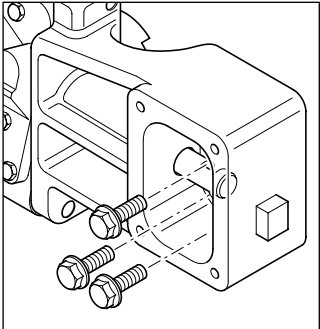
Always refer to [Service Notes](#) before using Holset Service Data.

VG Service Data Sheet 2 of 9

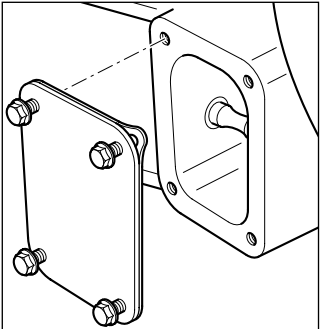
Screw/Caphead screw, Actuator (Items 106/120)



Cap Head Screw, VG Actuator (Item 120)



Screw, VG Actuator 4-Bolt Cover (Item 67)



Turbo Model

Nm (lb. in)

Nm (lb. in)

Nm (lb. in)

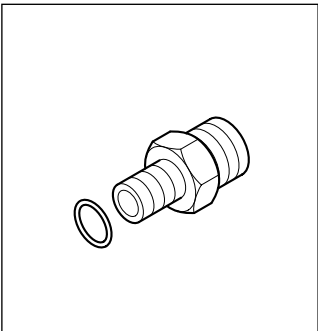
HE341Ve	N/A	17 (150)	8.5 (75)
HE431V/VTi	25 (219)	N/A	N/A
HE551V	25 (219)	N/A	N/A
HE551VTi	25 (219)	N/A	N/A
HX40V	17(150)	N/A	N/A
HY40V	25 (219)	N/A	N/A
HX55V	25 (219)	N/A	N/A
HY55V	25 (219)	N/A	N/A

Caution 

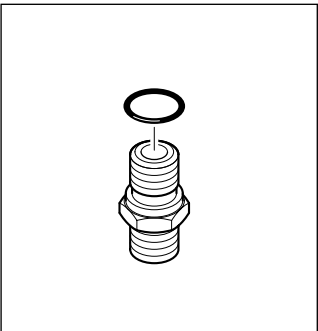
Always refer to [Service Notes](#) before using Holset Service Data.

VG Service Data Sheet 3 of 9

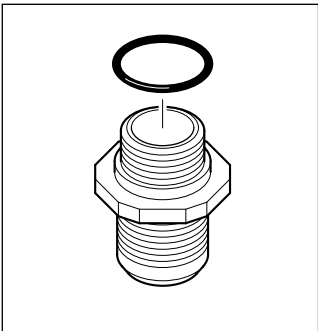
Adapter, Air Inlet
(Item 159)



Adapter, Oil Inlet
(Item 113)



Adapter, Oil
Drain (Item 116)



Turbo Model

Nm (lb. in)

Nm (lb. in)

Nm (lb. in)

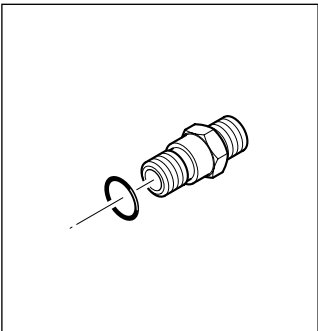
HE341Ve	N/A	N/A	N/A
HE431V/VTi	6 (53)	40 (350)	N/A
HE551V	6 (53)	40 (350)	N/A
HE551VTi	6 (53)	40 (350)	N/A
HX40V	N/A)	40 (350)	50 (440)
HY40V	N/A	40 (350)	55 (487)
HX55V	N/A	40 (350)	50 (440)
HY55V	N/A	40 (350)	55 (487)

Caution 

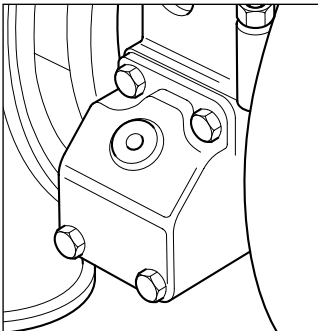
Always refer to [Service Notes](#) before using Holset Service Data.

VG Service Data Sheet 4 of 9

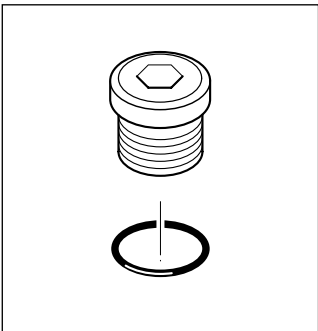
Connector Male,
Water (Item 105)



Bolt, Nozzle Pressure
Probe Block (Item 119)



Pressure Blanking
Plug (Item 103)



Turbo Model

Nm (lb. in)

Nm (lb. in)

Nm (lb. in)

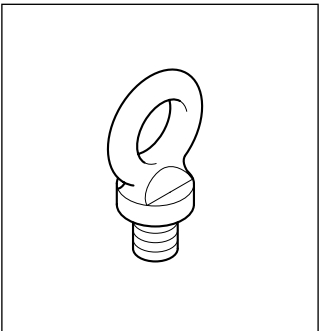
HE341Ve	N/A	N/A	N/A
HE431V/VTi	40 (350)	N/A	N/A
HE551V	40 (350)	N/A	N/A
HE551VTi	40 (350)	N/A	N/A
HX40V	40 (350)	N/A	N/A
HY40V	40 (350)	N/A	30 (267)
HX55V	40 (350)	6 in rotation then 11 (54 then 97)	30 (267)
HY55V	40 (350)	N/A	30 (267)

Caution 

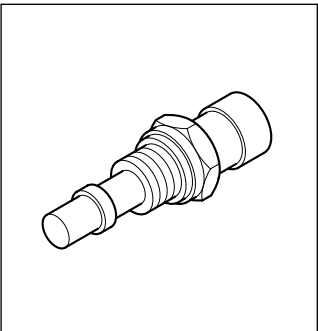
Always refer to [Service Notes](#) before using Holset Service Data.

VG Service Data Sheet 5 of 9

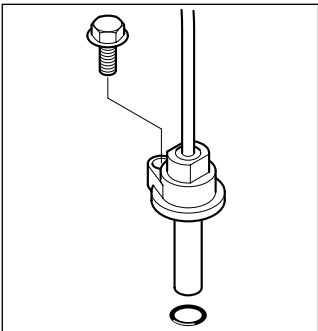
Eye Bolt/Bolt
(Item 156)



Temperature Sensor /
Blanking Plug
(Item 158/103)



Cap Head Screw,
Speed Sensor
(Item 120)



Turbo Model

Nm (lb. in)

Nm (lb. in)

Nm (lb. in)

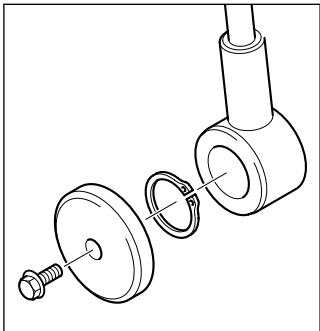
HE341Ve	N/A	N/A	3 (27)
HE431V/VTi	N/A	23 (204)	8.5 (75)
HE551V	50 (440)	23 (204)	8.5 (75)
HE551VTi	50 (440)	23 (204)	8.5 (75)
HX40V	N/A	N/A	8.5 (75)
HY40V	N/A	23 (204)	8.5 (75)
HX55V	N/A	N/A	8.5 (75)
HY55V	N/A	23 (204)	8.5 (75)

Caution 

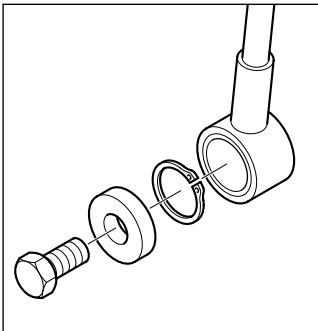
Always refer to [Service Notes](#) before using Holset Service Data.

VG Service Data Sheet 6 of 9

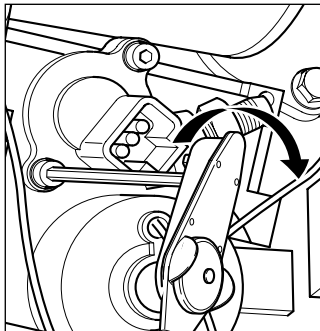
Cap Head Screw,
Sacrificial Anode
(Item 120)



Screw, Sacrificial
Anode
(Item 106)



Screw,
Position Sensor
(Item 106)



Turbo Model

Nm (lb. in)

Nm (lb. in)

Nm (lb. in)

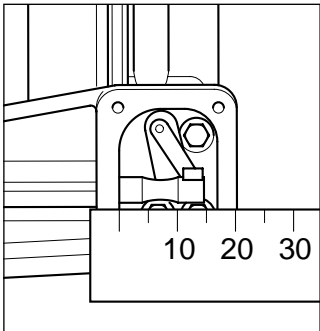
HE341Ve	N/A	N/A	3.0 +/- 0.3 (27 +/- 2.7)
HE431V/VTi	25 (219)	N/A	N/A
HE551V	25 (219)	25 (219)	N/A
HE551VTi	25 (219)	25 (219)	N/A
HX40V	N/A	N/A	N/A
HY40V	15 (133)	N/A	N/A
HX55V	N/A	N/A	N/A
HY55V	15 (133)	N/A	N/A

Caution 

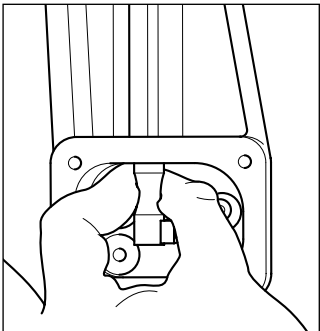
Always refer to [Service Notes](#) before using Holset Service Data.

VG Service Data Sheet 7 of 9

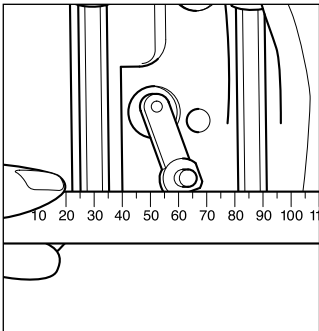
Actuator Rod Travel
(Electric)



Remote Actuator
Backlash (Electric)



VG Cross Shaft
Linear Travel
(Electric)



Turbo Model

mm

mm

mm

Fitted

Remote

HE341Ve	11 - 13	16.5 - 18.5	0.5	11 - 13
HE431V/VTi	N/A	N/A	N/A	N/A
HE551V	N/A	N/A	N/A	N/A
HE551VTi	N/A	N/A	N/A	N/A
HX40V	N/A	N/A	N/A	N/A
HY40V	N/A	N/A	N/A	N/A
HX55V	N/A	N/A	N/A	N/A
HY55V	N/A	N/A	N/A	N/A

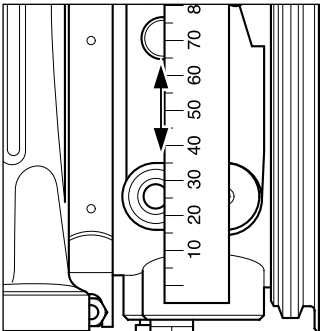
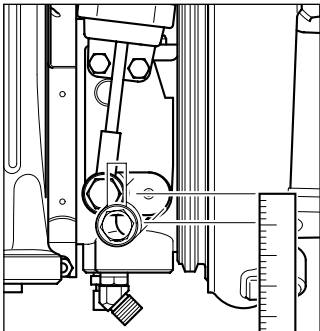
Caution 

Always refer to [Service Notes](#) before using Holset Service Data.

VG Service Data Sheet 8 of 9

Actuator Rod Travel
(Air)

VG Cross Shaft
Linear Travel (Air)



Turbo Model

mm

mm

Fitted

Remote

HE341Ve	N/A	N/A	N/A
HE431V/VTi	7 - 9	14 - 16	10.5 - 11.5
HE551V	10 - 11	14 - 16	13 - 14.5
HE551VTi	10 - 11	14 - 16	13 - 14.5
HX40V	8 - 10	13 - 14	N/A
HY40V	8 - 9	14 - 16	10.5 - 11.5
HX55V	10 - 10.5	13 - 14	N/A
HY55V	10.5 - 12	14 - 16	13 - 14

Caution 

Always refer to [Service Notes](#) before using Holset Service Data.

VG Service Data Sheet 9 of 9

Service Data Sheet Notes

1. The list of turbo models represents the majority of current specifications. If your model does not appear in the Service Data Sheets please refer to your nearest Holset agent for guidance.
2. Service data is sourced from engineering specifications and drawings.
3. All permissible service allowances are included in this data set.
4. Holset quote nominal torque for turbocharger assembly. Apply torque using a calibrated torque wrench with +/-1 Nm (+/-10 lb.in) capability. Breakaway torque may vary up to 40% from nominal.
5. Some models have optional specifications (eg Turbine housing bolts or V-band arrangement). Both are shown for reference.
6. Some European OEM's and Holset Aftermarket torque tighten to 31.6 Nm (280 lb.in) under concession.
7. For latest Service Data Sheets and Bulletin Board information refer to the Holset website www.holset.co.uk.
8. Wastegate versions of H series turbochargers are pre-fixed with a "W". Refer to your nearest Holset agent for wastegate installation instructions.
9. All fasteners must be visually clean and be lubricated with light oil prior to torque tightening except where the service repair manual instructs to the contrary. Exceptions are:
HX20W/HX25/25/25W/27W Compressor Wheel Locknut (61)/ V-band Locknut (28) - apply molycote.
All other V-band Locknut (28) (29) and Wastegate Valve Body Screw (79) - fit dry.
All fasteners treated with a thread locking patch - fit dry and within 5 minutes of insertion.

Caution

Always refer to **Service Notes** before using Holset Service Data.