



Spicer Infield Service Specifications

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VICTOR REINZ®



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Contents

3	Dana Australia Sales & Customer Service Contact List
4	Drive Axle Input & output shaft end play Crown wheel backlash Input/output shaft nut torque
5	Steer Axle King pin bush wear limits King pin clearance Tie rod end clearance Draw key nut torque
6	Driveshaft Universal joint movement Slip joint movement Driveline run out Retaining bolt torque
7	Notes

This information is to be used in conjunction with the appropriate service manual. Dana Spicer service manuals can be found at www.spicerparts.com



START



PREVIOUS PAGE



NEXT PAGE



END



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START



CONTENTS



PREVIOUS PAGE



NEXT PAGE



END

Drive Axle

Component Being Inspected	Dana Specification
D170 / D190 Input Shaft End Play	1 to 5 Thou / 0.025 to 0.127mm
DSH40P Input Shaft End Play	3 to 14 Thou / 0.076 to 0.355mm
D170 / D190 Output Shaft End Play	1 to 45 Thou / 0.025 to 1.14mm
DSH40P Output Shaft End Play	1 to 15 Thou / 0.025 to 0.381mm
D170 / D190 Crownwheel & Pinion Backlash	8 to 18 Thou / 0.152 to 0.457mm
DSH40P Crownwheel & Pinion Backlash	6 to 18 Thou / 0.152 to 0.457mm
D170 / D190 Input Nut Torque	800 to 1000 Lbs.Ft / 1085 to 1355 Nm.
D170 / D190 Output Nut Torque	800 to 1000 Lbs.Ft / 1085 to 1355 Nm.
R170 / R190 Rear / Rear Pinion Nut Torque	800 to 1000 Lbs.Ft / 1085 to 1355 Nm.
DSH40P Input Nut Torque	840 to 1020 Lbs.Ft / 1140 to 1383 Nm.
DSH40P Output Nut Torque	680 to 832 Lbs.Ft / 920 to 1130 Nm.
RSH40 Rear / Rear Pinion Nut Torque	575 to 703 Lbs.Ft / 780 to 953 Nm.



Steer Axle

Component Being Inspected	Dana Specification
Upper & Lower King Pin Bushes (All Models)	15 Thou / 0.38mm Replace if in Excess
Kingpin Vertical Clearance (All Models)	40 Thou / 1.016mm Max.
Tie Rod End Movement (All Models)	Axial & Radial 60 Thou / 1.524mm Max
Tie Rod Slotted Nut Torque (All Models)	120 to 160 Lbs.Ft / 163 to 217 Nm
Straight Tie Rod Clamp Nut Torque (All Models)	45 to 60 Lbs.Ft / 61 to 81 Nm
Drop Tie Rod Clamp Nut Torque (I & E Series)	55 to 70 Lbs.Ft / 75 to 95 Nm
Drop Tie Rod Clamp Nut Torque (D2000F)	150 to 180 Lbs.Ft / 203 to 244 Nm
Dual Draw Key Nut Torque (E1322i / E1462i)	24 to 36 Lbs.Ft / 33 to 49 Nm
Single Draw Key Nut Torque (E1320i / E1460i)	30 to 45 Lbs.Ft / 41 to 61 Nm
Single Draw Key Nut Torque (I140)	25 to 31 Lbs.Ft / 34 to 42 Nm



START



CONTENTS



PREVIOUS PAGE



NEXT PAGE



END

Driveshaft

Component Being Inspected	Component Being Inspected
Universal Joint Movement All Models	6 Thou / .15mm Max
Slip Joint Spline Movement 10 Series & SPL	0 to 12 Thou / 0 to 0.304mm
Slip Joint Spline Movement Compact Series	0 to 7 Thou / 0 to 0.170mm
Driveline Run Out (Tube Yoke End) 3 Inches from weld	20 Thou / .500mm
Driveline Run Out (Centre of Tube)	15 Thou / .381mm
Driveline Run Out (Stub Shaft End) Neck of Slip Shaft	5 Thou / .127mm
Strap Bolt Torque (SPL170 & 250 Series)	115 Lbs. Ft / 156 Nm
Spring Tab Bolts (SPL170 & 250 Series)	28 Lbs.Ft / 38 Nm
Strap Bolt Torque (10 Series) Pressed Metal Strap	125 Lbs.Ft / 170 Nm
Strap Bolt Torque (10 Series) Cast Strap	125 Lbs.Ft / 170 Nm
Bearing Plate Serrated Head Bolt Torque (10 Series)	43 Lbs.Ft / 58 Nm



Notes



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Published in Australia,