



# ***Spicer Infield Service Specifications***

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This information is to be used in conjunction with the appropriate service manual. Dana Spicer service manuals can be found at [www.spicerparts.com](http://www.spicerparts.com)



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# 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         |



# 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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