SERVICE DATA AND SPECIFICATIONS (SDS)

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PFP:00030

General Specifications

| Applied model | | VQ35DE | |
|--|--|--|---|
| | | A/T | M/T |
| Final drive model | | R200 | R200V (With LSD) |
| Gear ratio | | 3.538 | |
| Number of teeth (Drive gear/Drive pinion) | | 46/13 | |
| Oil capacity (Approx.) | ℓ (US pt, Imp pt) | 1.4 (3, 2-1/2) | |
| Number of pinion gears | | 2 | 4 |
| Drive pinion adjustment spacer type | | Collapsible | |
| AWD MODELS | | | |
| Applied model | | VQ35DE | |
| | | A/T | |
| Final drive model | | R200 | |
| Gear ratio | | 3,538 | |
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| nspection and Acordine GEAR RUNOL | djustment UT | | |
| nspection and Acordive GEAR RUNO | djustment UT | Runc | |
| nspection and Acordive GEAR RUNO | IJŤ | | NDS00 |
| Inspection and Acordive GEAR RUNOI | IJŤ | | out limit |
| Drive gear back face | UT em E GEAR CLEARANCE | 0.05 mm (0.0 | out limit |
| Drive gear back face | U T em | 0.05 mm (0.0 | out limit 0020 in) or less |
| Drive gear back face | UT em E GEAR CLEARANCE em | 0.05 mm (0.0 | out limit 0020 in) or less ification |
| Inspection and Acordive GEAR RUNOL It Drive gear back face DIFFERENTIAL SIDE It | UT em E GEAR CLEARANCE em | 0.05 mm (0.05 mm (0.0 | out limit 0020 in) or less ification R200V (With LSD) 0.15 mm (0.0059 in) or less (Each gear should rotate smoothly without excessive resistance dur- |
| Drive gear back face DIFFERENTIAL SIDE Side gear backlash (Clearance between side ge | UT em E GEAR CLEARANCE em | Spec R200 0.2 mm (0.008 in) or less (Each gear should rotate smoothly without excessive resistance during differential motion.) | out limit 0020 in) or less ification R200V (With LSD) 0.15 mm (0.0059 in) or less (Each gear should rotate smoothly without excessive resistance dur- |
| Drive gear back face DIFFERENTIAL SIDE Side gear backlash (Clearance between side ge | em GEAR CLEARANCE em ear and differential case) | Spec R200 0.2 mm (0.08 in) or less (Each gear should rotate smoothly without excessive resistance during differential motion.) Speci | out limit 0020 in) or less ification R200V (With LSD) 0.15 mm (0.0059 in) or less (Each gear should rotate smoothly without excessive resistance during differential motion.) |
| Drive gear back face DIFFERENTIAL SIDE Side gear backlash (Clearance between side ge | em GEAR CLEARANCE em ear and differential case) | Spec R200 0.2 mm (0.008 in) or less (Each gear should rotate smoothly without excessive resistance during differential motion.) Speci | out limit 0020 in) or less ification R200V (With LSD) 0.15 mm (0.0059 in) or less (Each gear should rotate smoothly without excessive resistance during differential motion.) |
| Drive gear back face DIFFERENTIAL SIDE Side gear backlash (Clearance between side ge PRELOAD TORQUE | E GEAR CLEARANCE em ear and differential case) | Spec R200 0.2 mm (0.008 in) or less (Each gear should rotate smoothly without excessive resistance during differential motion.) Speci 2.65 – 3.23 N·m (0.27 – 0.20 – 0.52 N·m (0.02 | out limit 0020 in) or less ification R200V (With LSD) 0.15 mm (0.0059 in) or less (Each gear should rotate smoothly without excessive resistance during differential motion.) fication 0.32 kg-m, 24 – 28 in-lb) |
| Inspection and Acordive GEAR RUNOL Iterative gear back face DIFFERENTIAL SIDE Iterative gear backlash (Clearance between side gear backlash (Cl | E GEAR CLEARANCE em ear and differential case) | Spec R200 0.2 mm (0.008 in) or less (Each gear should rotate smoothly without excessive resistance during differential motion.) Speci 2.65 – 3.23 N·m (0.27 – 0.20 – 0.52 N·m (0.02 | out limit 2020 in) or less ification R200V (With LSD) 0.15 mm (0.0059 in) or less (Each gear should rotate smoothly without excessive resistance during differential motion.) fication 0.32 kg-m, 24 – 28 in-lb) - 0.05 kg-m, 2 – 4 in-lb) |
| Drive gear back face DIFFERENTIAL SIDE Side gear backlash (Clearance between side ge PRELOAD TORQUE Pinion bearing (P1) Side bearing (P2) Side bearing to pinion bearir (Total preload = P1 + P2) BACKLASH | E GEAR CLEARANCE em ear and differential case) | Spec R200 0.2 mm (0.008 in) or less (Each gear should rotate smoothly without excessive resistance during differential motion.) Speci 2.65 – 3.23 N·m (0.27 – 0.20 – 0.52 N·m (0.02 – 2.85 – 3.75 N·m (0.29 – | out limit 0020 in) or less ification R200V (With LSD) 0.15 mm (0.0059 in) or less (Each gear should rotate smoothly without excessive resistance during differential motion.) fication 0.32 kg-m, 24 – 28 in-lb) – 0.05 kg-m, 2 – 4 in-lb) |