

REAR DERAILLEUR ADJUSTMENT & INSTALLATION CHECKLIST

Torques are minimum recommended in absence of manufacturer specifications.

Check-off items done to specification. Mark items with "NA" when not applicable, or "X" when problems could not be repaired and/or are in need of further attention.

EXISTING CONDITIONS

- Rear derailleur operated and performance evaluated.
- Chainline measured if performance evaluation indicates possible chainline errors. (Chainline correction is additional service charge.)
- Chain inspected for wear that could compromise rear-derailleur shift performance and noted:

- Control-mechanism position recorded.

DISASSEMBLY AND INSPECTION

- Rear derailleur removed.
- Rear-derailleur cable removed and inspected for rust, frays, and kinks in the inner wires and housing.
- Rear derailleur inspected for wear and damage.
- Pulley wheels inspected and replaced if worn (parts addtl.).

REAR DERAILLEUR and CONTROL-LEVER ALIGNMENT and LUBRICATION

- Derailleur and control-mechanism threads lubricated.
- Rear-derailleur pivots and pulley wheels lubricated.
- Derailleur hanger aligned to less than 4mm tool-to-rim gap at all points.
- Rear derailleur secured to 70in-lbs.
- Control mechanism positioned to match original (if acceptable) position, or aligned to an acceptable position, then secured to 25in-lbs.

DERAILLEUR ADJUSTMENTS

- New or existing derailleur housings sized and ends finished with end cap. (From control to frame: sized as short as possible to allow full normal fork rotation. To rear derailleur: sized such that with derailleur body parallel to chain stay, housing enters adjusting barrel in a straight line. Other housings: sized as short as possible without abrupt bends.)
- New or existing derailleur cable lubricated where it passes through housings.
- Derailleur cable routed so it does not interfere with any other cables, and pinch mechanism secured to 35in-lbs.
- Derailleur cable pre-stressed.
- Rear-derailleur limit screws set to tightest settings that allow shift to largest and smallest sprockets (with no excess noise).
- Rear-derailleur cable tension set to tightest setting that allows indexing without out-shift hesitation or post-shift chain-to-cog rubs.

TEST RIDE AND INSPECTIONS

- Derailleur checked for performance and overshift.

MECHANIC'S SIGNATURE _____

DATE _____