

FRONT 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

- Front derailleur operated and performance evaluated.
- Chainline measured if performance evaluation indicates possible chainline errors. (Chainline correction is additional service charge.)
- Chainrings inspected for tooth wear that could compromise front-derailleur shift performance and noted: _____
- Control-mechanism position recorded.

DISASSEMBLY AND INSPECTION

- Front-derailleur cable removed and inspected for rust, frays, and kinks in the inner wires and housing.
- Front derailleur inspected for wear and damage.

FRONT DERAILLEUR and CONTROL-LEVER ALIGNMENT and LUBRICATION

- Derailleur and control-mechanism threads lubricated.
- Front-derailleur pivots lubricated.
- Front derailleur set so bottom of outer cage plate clears outer chainring teeth by 1-3mm.
- Front derailleur rotated so outer cage plate is parallel to line of chain in outermost gear combination.
- Front derailleur secured to 35in-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. 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.
- Wobbling chainwheels aligned to less than .5mm wobble.
- Front-derailleur outer-limit screw set to hold .5-1.0mm clearance between the chain and outer cage (with chain on outer/outer gear combination).
- Front-derailleur outer-limit screw set to hold .5-4.0mm clearance between the chain and inner cage (with chain on inner/inner gear combination).
- Front-derailleur overshift checked in all gear combinations.
- Front-derailleur cable tension set to create .0-.5mm clearance between inner cage and chain (chain on innermost rear cog and next-to-outermost chainring), with no audible rubs in any gear combination.

TEST RIDE AND INSPECTIONS

- Derailleur checked for performance and overshift.

MECHANIC'S SIGNATURE _____

DATE _____