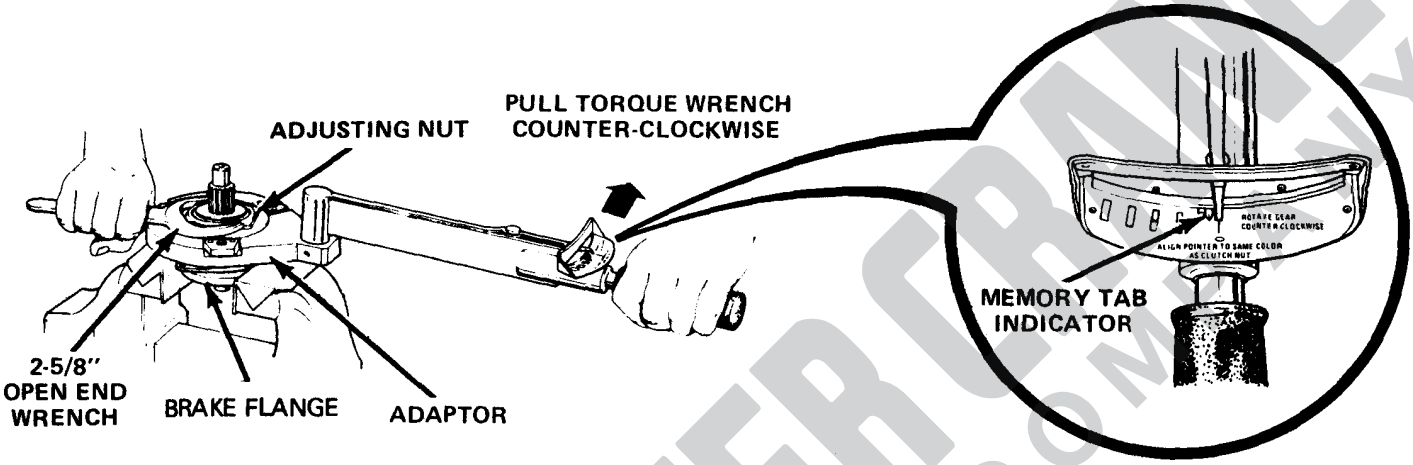
BUDGIT®

Man-Guard™ Overload Clutch Adjustment using Special Torque Wrench, No. 436629-1



Do not check or adjust dry clutch. Dip entire assembly in automatic transmission fluid, allow to soak so fluid will penetrate and drip dry.

Note: Pulling force must be exerted only on pivot of hand grip. **Do not** allow end of grip to bear against bar of wrench.

INSTRUCTIONS

1. Clamp load brake and clutch assembly in vise as illustrated. Allow clearance between pawl and ratchet assembly and top of vise.
2. Apply torque wrench adaptor over load brake and clutch assembly, engaging adaptor jaws with teeth on load brake gear.
3. With the pointer set at zero, pull on hand grip of torque wrench with an even, steady pull until load brake gear slips. Be sure to pull on handle correctly as noted above.
4. Observe position of pointer in relation to the colored and numbered clutch setting indices on the torque scale of the wrench, while turning gear at least one quarter turn.
5. If pointer lines up with the index color that matches color on clutch adjusting nut (white, blue, red, green or plain- no color), the clutch is properly adjusted and meets the torque requirement for that particular assembly.
6. If pointer does not line up with proper color index, clutch adjustment is required. Follow steps 7 through 9.
7. Loosen two hex socket set screws in clutch adjusting nut.
8. Tighten or loosen adjusting nut a small amount (1/6 turn) and recheck torque setting, steps 3 and 4. One set screw should be tightened while torque is being checked to avoid loosening adjusting nut. Repeat adjustment, as necessary, until pointer properly lines up with index mark having same color as on adjusting nut.
9. Retighten the two set screws in adjusting nut and give clutch setting a final torque check, turning gear at least one quarter turn.
10. The clutch and load brake assembly can now be reinstalled in hoist and the hoist load tested as outlined in BUDGIT MAN-GUARD Operation, Service and Parts Manual.

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