

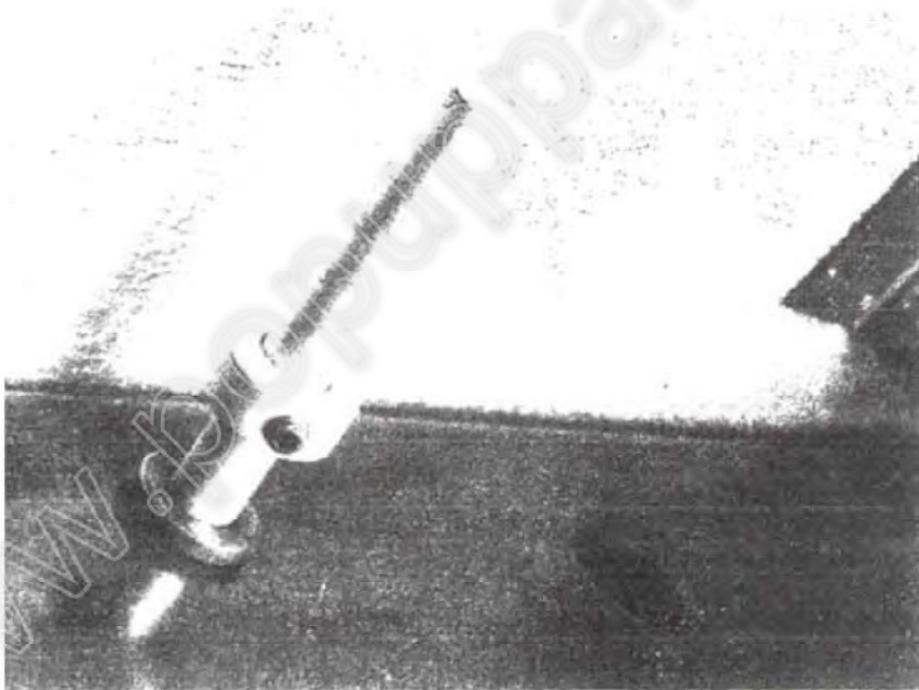
1985 to 2000 Starcraft Winch Cable Replacements

Release the dolly wheel jack clamp and lower the front of the camper to gain clearance at the back, then proceed as follows:

Remove Drive Shaft

1. Using the winch handle, backwind the winch until all tension is removed from the cables and there are no cables wrapped around the drum.
2. Loosen the set screw which holds the drive shaft retaining collar in place and slide the shaft toward the left side of the camper until the shaft clears the bushing in the main beam.

NOTE: If the set screw in the retaining collar has left a burr on the shaft which makes it difficult to slide the shaft through the bushing, the burr can be removed with a small file.



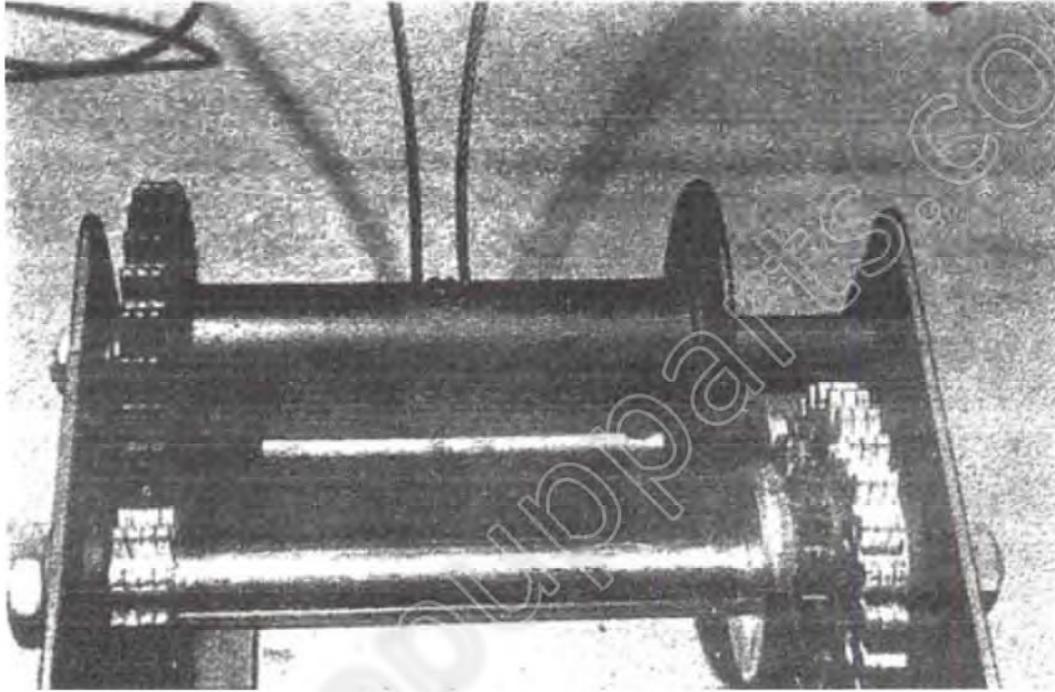
134. The retaining collar has been loosened and the winch drive shaft is being removed.

Drop Winch Plate

3. Remove the two bolts which hold the rear of the winch plate to the camper frame. This should allow the plate to drop down far enough to allow access to the set screws which hold the cables in place in the winch drum. If there is not enough room to reach the cables after removing the two rear bolts, go ahead and remove the two front bolts as well.

Remove Damaged Winch Cable

4. Remove the set screw which holds the ball end (of the cable to be changed) in place in the drum. Loosen the jam nut and disconnect the turn buckle and loosening the turnbuckle; hold the eyebolt stationary and rotate the turnbuckle portion. Remove the cable by threading the ball end out through the pulley and hole(s) in the frame member(s).



135. The two front winch cables have secured in the cable drum and the set screw has been left with 1/16" of thread outside the drum.

Install New Winch Cable

5. Thread the new cable in place and fasten the ball end of the cable in place in the winch drum with the allen set screw.

Use 242 Loc-Tite on the screw threads. Leave 1/16" of thread showing outside the drum.

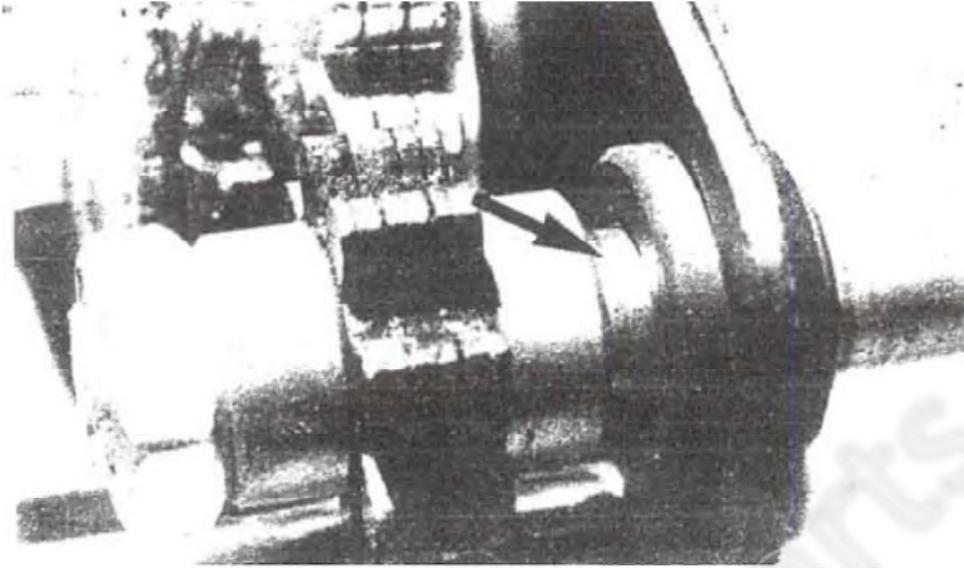
Reset The Winch Plate

6. Slide the drive shaft through the hole in the left side of the winch frame and into the bushing. Slide the shaft over until the winch is in the middle of the shaft. This will allow the ends of the shaft to clear the frame rails.

Replace Drive Shaft

7. Fasten the winch plate to the camper frame, tightening the four mounting bolts to the torque setting of 11 ft./lbs.

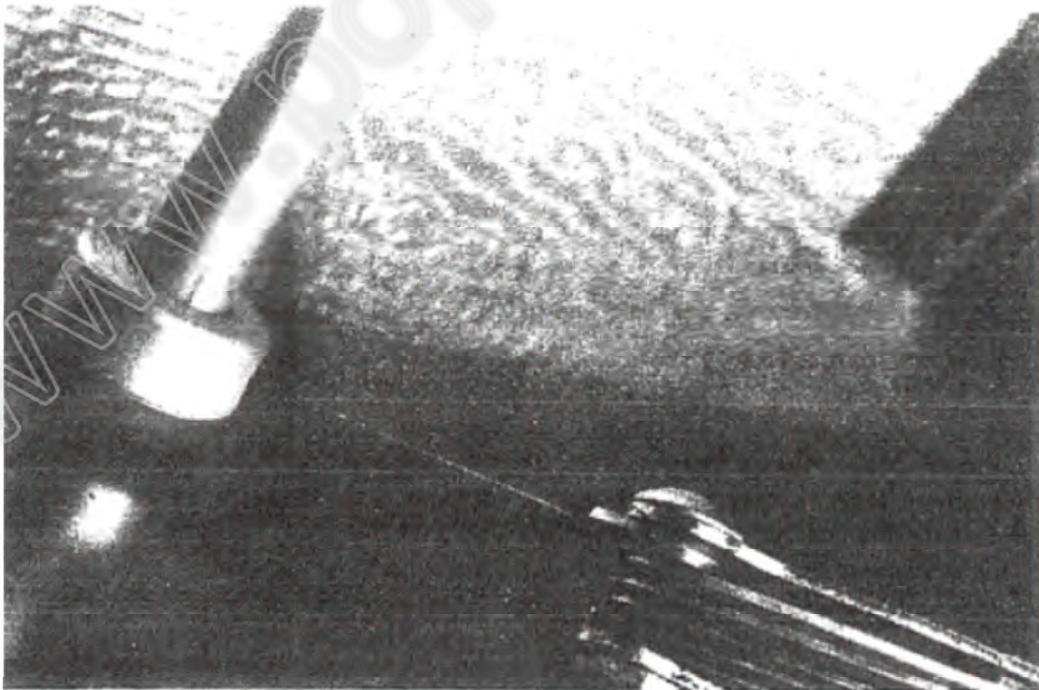
Slide the shaft over until the gears on the shaft and the winch mesh.



136. The gears on the drive shaft and the winch are engaged and the arrow shows where the end play should be.

NOTE: To insure that the shaft turns freely, allow $1/32''$ of end play between the inner shaft collar and the bushing in the winch frame.

Make sure that the retaining collar and the bushing are in place on the shaft. Push the retaining collar against the main beam and tighten the set screw to lock the collar in place.



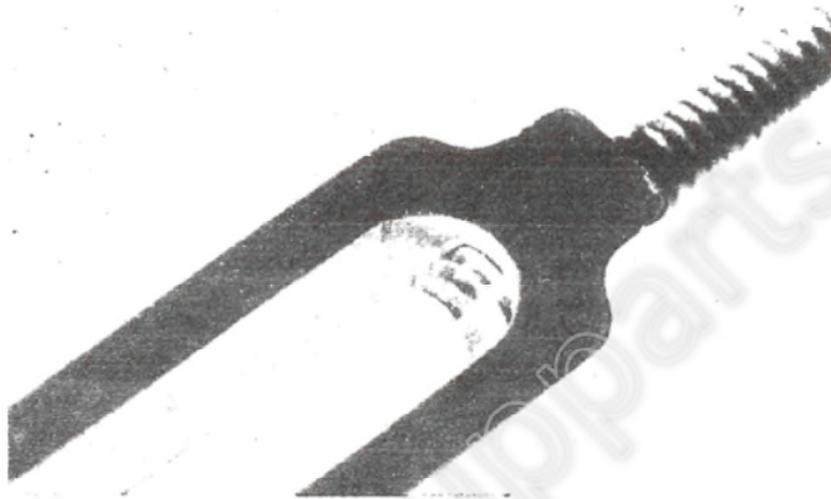
137. the drive shaft has been replaced and the set screw in the retaining collar is being tightened.

Connect Eyebolt

8. Screw the eyebolt into the turnbuckle until 2 or 3 threads are showing on the inside. DO NOT TWIST THE CABLES.

WARNING: DO NOT CROSS CABLES. DAMAGE TO THE LIFTER SYSTEM WILL RESULT.

DO NOT TIGHTEN THE JAMB NUT AT THIS TIME



138. Correct engagement of the turnbuckle and eye bolt is shown.

Adjust Roof Height

9. Adjust the roof height by following the procedures listed in the Winch Section of this manual.