

PROFESSIONAL SERIES (PRO-Z 500 S, 700 S, 900 S)

Date: August 15, 2024

Models Affected: PRO-Z 500 S, PRO-Z 700 S, PRO-Z 900 S

Parts Affected: 746-05279 / 746-05279A, 946-05279A Transmission Control Link Cable (Steering Cables).

Serial Number

Range Affected: All Production Years.

Subject: 746-05279A Steering Cables

INFORMATIONAL ONLY

NOTE: These materials are prepared for use by trained technicians who are experienced in the service and repair of equipment of the kind described in this publication, and are not intended for use by untrained or inexperienced individuals. Such individuals should seek the assistance of an authorized service technician or dealer.

NOTE: Always wear eye protection while servicing equipment. Wear hearing protection when appropriate. Always work in a well ventilated area and follow all safety precautions when dealing with combustible materials.

NOTE: Left (LH) and Right (RH) sides are determined from the operator's position and facing in the forward direction.

PURPOSE:

This Informational Advisory is to provide information on the proper tensioning and maintenance of the Steering Cables on all the above listed model platforms.

Whenever Steering Cables are replaced, always use the PRO-Z Timing Fixture Tool Kit (759-05122) for timing the Synchro Steer Mechanism and setting neutral after installation.

ACTION REQUIRED:

Always replace the Steering Cables as a pair, never just replace one steering cable. When replacing the steering cables check the new cables for any kinks or damage to the outside casing or damage to the cable on the outside of the casing. Check for burrs or sharp worn edges on the Pump Gear (680-00144). See Figure 1.

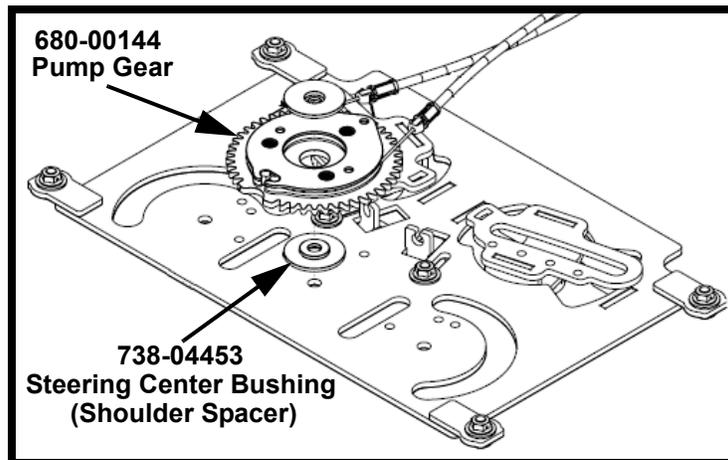


FIGURE 1

When replacing the Steering Cables, check the Steering Center Bushing / Shoulder Spacer (738-04453). Wear of this bushing can cause misalignment of the Steering Cables. See Figure 1.

Replace the Steering Center Bushing / Shoulder Spacer if, needed. **DO NOT** apply grease to the Steering Center Bushing / Shoulder Spacer as it will attract debris and increase its chances of premature wear. The Steering Center Bushing / Shoulder Spacer is impregnated with oil for lubrication.

When setting tension on the steering cables follow these instructions. Use a tapered center punch in the slot between the flat washer and the pump control mounting plate. Hold tension on the flat washer to the front of the rider. While holding tension on the Steering Cables, (**DO NOT** over tension the Steering Cables. Enough tension to fully remove the slack from the Steering Cables is sufficient.) tighten the nuts at reference points L. See Figure 2.

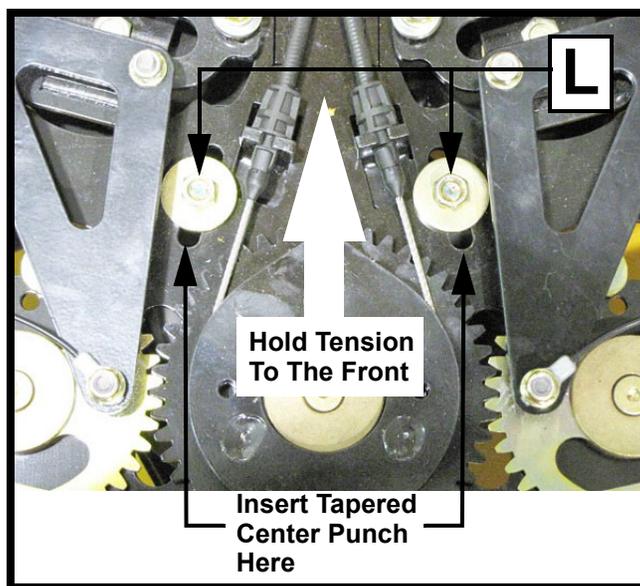


FIGURE 2

Tighten the 5/16" center lock nuts L to 13-20 Ft. Lbs. **WARNING: Over tensioning the Steering Cables can lead to premature wear of the cables and/or the steering bushing within the mechanism.**

For maintenance, check after every mowing the area under the floor panel and keep clean of debris. Debris between the cables and the gear pump can increase tension on the Steering Cables. Periodically inspect the Steering Cables for damage etc.



FIGURE 3

Also keep the area clean of debris at the axle around the left and right steering gears. Buildup of debris can put excessive tension on the Steering Cables.

This Advisory is being released for informational purposes only.