

INSTALLATION INSTRUCTIONS

SPUR GEAR INSTALLATION AND ALIGNMENT

FOR SPUR GEARS ON GLEASON GEAR DRIVEN CABLE AND HOSE REELS

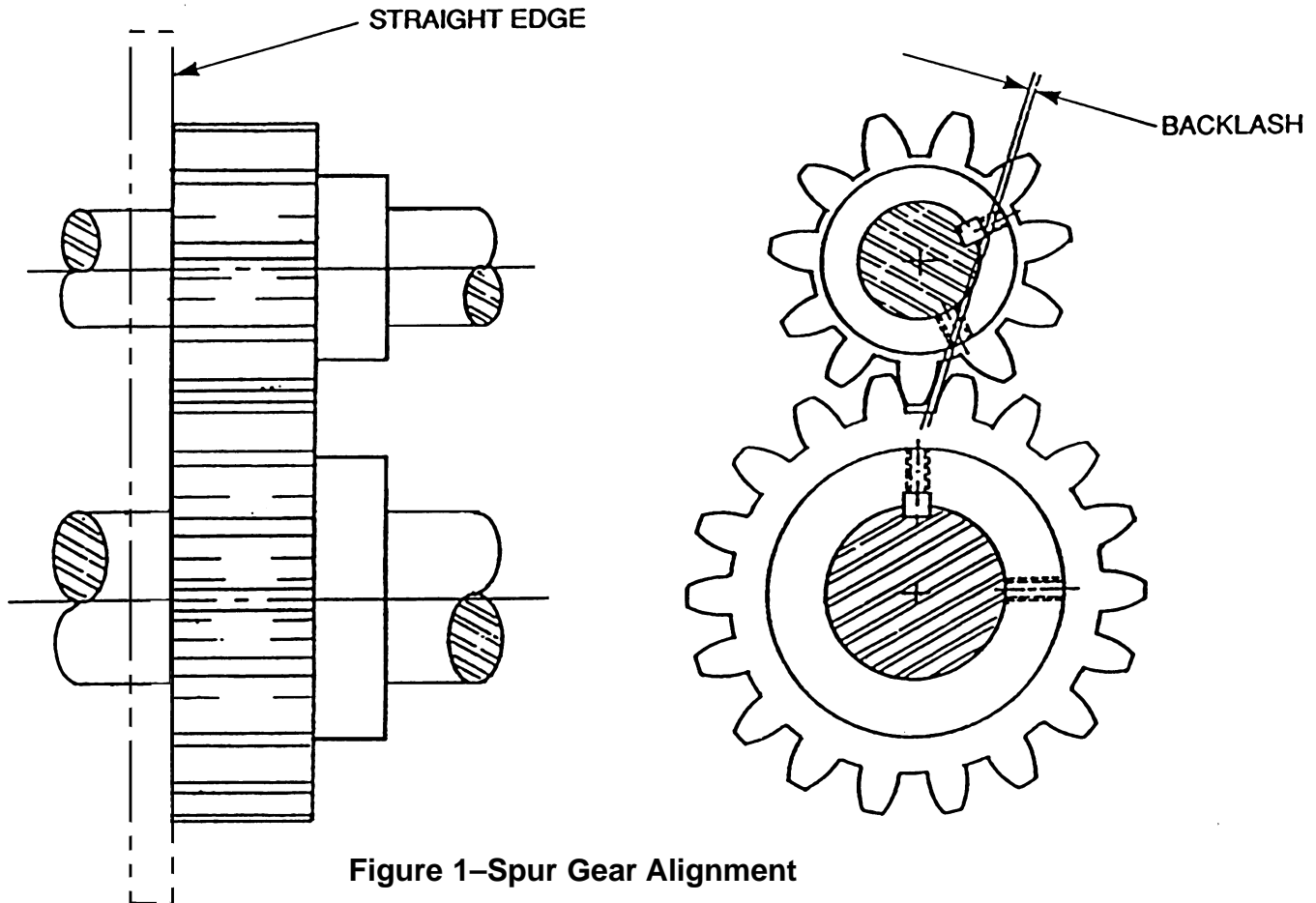
1. For Motor Driven Reels, ensure that electric power is locked out. For Spring Driven Reels, ensure that all tension is off springs by disconnecting cable and backwinding cable onto reel.
 2. Remove worn gears, taking care not to disturb bearing alignment. If bearing alignment is not altered, your gear change will be quite simple.
 3. Install new gears and check axial alignment by adjusting gears with a straightedge so that end faces of both gears are in line. (See Figure 1, over).
 4. Lock gears on shafts with set screws provided.
 5. Check backlash (See Figure 1):
 - A. Run the .004" thick tan plastic shim through gears by rotating reel spool. Gears should NOT cut this strip.
 - B. Run the .0075" thick matte clear color shim through gears by rotating spool. Gears MUST cut this strip if backlash is correct. Gears must mark shim in an even pattern indicating that shafts are parallel.
 6. If result described in step 5 are not achieved, refer to Trouble Shooting Chart (below) for proper procedure.
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GEAR ALIGNMENT TROUBLE SHOOTING CHART

- A.** INDICATION – Tan (.044") shim will not pass through gears.
CONDITION – Shafts are too close together.
PROCEDURE – Loosen hardware on LOWER shaft bearings, adjust shaft downward, tighten hardware and check with shim again.
Repeat as required.
- B.** INDICATION – Matte (.0075") shim is not cut by gears.
CONDITION – Shafts are too far apart.
PROCEDURE – Loosen hardware on UPPER shaft bearings, adjust shaft downward, tighten hardware and check with shim again.
Repeat as required.
- C.** INDICATION – Matte (.0075") shim does not show even cut pattern.
CONDITION – Shafts are not parallel.
PROCEDURE – Loosen hardware on upper shaft bearings, adjust left or right, tighten hardware and check with shim again.
Repeat as required.

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GEAR ALIGNMENT KIT P/N 027795

Each kit contains:

1	P/N 027689	Spur Gear Installation Instructions
4	P/N 027796	Tan Shim – .004" x 1.5" x 6"
4	P/N 027797	Matte Shim – .0075" x 1.5" x 6"



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