

SERVICE BULLETIN

M-852

February 23, 1982



WHEEL LACING—21 INCH

General

All 21 inch wheels use the new style hub, but are laced in the old style pattern. The following instructions will explain the correct lacing procedures.

Wheel Lacing

1. See Figure 1. To identify a late style hub, pick any outside spoke hole and sight straight across the hub. The first spoke hole to the right of the center-line is an outside spoke hole.
2. Place hub on bench with either flange up.

NOTE

Inner spokes may be started clockwise or counterclockwise but all inner spokes must angle in the same direction.

3. See Figure 1. Insert 10 spokes into the upper flange inner spoke holes. Swing the loose ends in the same direction as far as the hub will allow.

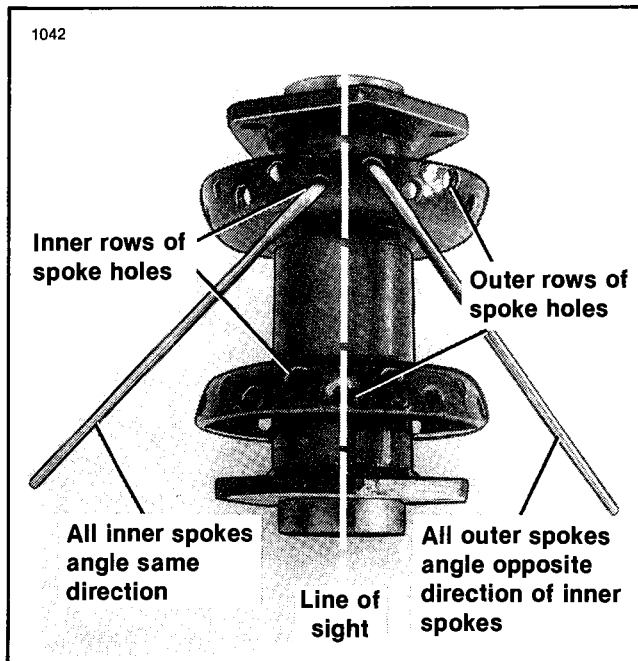


Figure 1. Hub

4. See Figure 2. The rim is divided into ten groups of four spokes each. In each group, only one hole will be angled toward each upper flange inner spoke. Insert the spokes into these holes. Secure each spoke with a nipple screwed on the end about three turns, just enough to hold it in place.

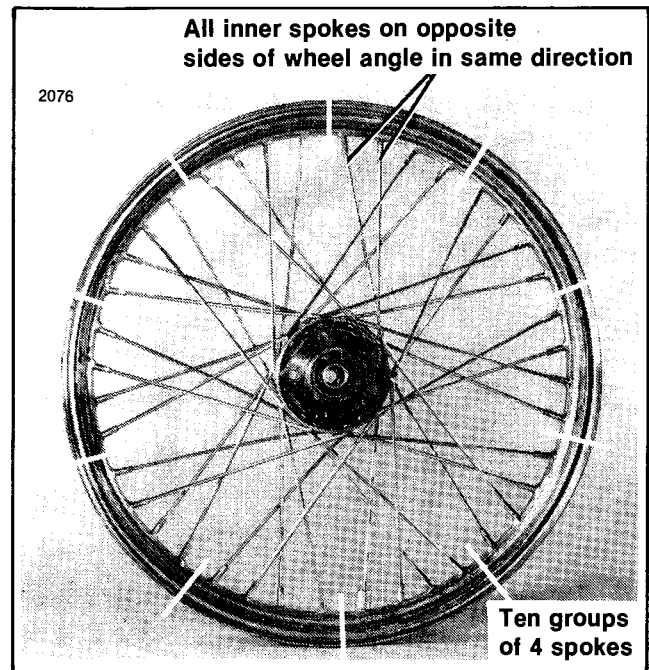


Figure 2. Laced Wheel

5. When all 10 inner spokes are installed, insert a spoke into an outside spoke hole on the same flange side.
6. See Figure 3. Swing the outer spoke in the opposite direction crossing over four inner spokes, and secure the spoke in the nearest hole angled towards it. Repeat the procedure for all outer spokes.

NOTE

All Harley-Davidson laced wheels use a CROSS-4 pattern. Each outer spoke must cross four inner spokes before entering rim hole.

ROUTING:	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	CHIEF MECHANIC	MECHANIC NO. 1	MECHANIC NO. 2	MECHANIC NO. 3	MECHANIC NO. 4	RETURN THIS TO:
INITIAL HERE									

**First outside spoke
crosses 4 inside spokes**

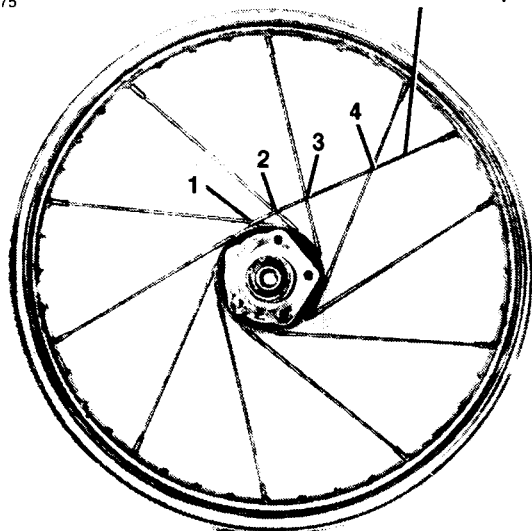


Figure 3. Cross — 4 Pattern

7. Carefully turn the hub and rim assembly over and repeat the process. Start by swinging the inner spokes in the same direction as the other side.
8. See TRUING LACED WHEELS in the applicable Service Manual.