

SERVICE BULLETIN

M-1026

July 24, 1992



SAFETY RECALL CODE 079 FRONT FORK BRACKET PINCH SCREWS AND WINDSHIELD MOUNTING HARDWARE

General

During testing, Harley-Davidson has discovered conditions which might possibly cause fuel tank leakage on certain 1987 through 1992 FXR model motorcycles and certain 1990 through 1992 FXD model motorcycles. These conditions might cause fuel tank leakage if the front fork assembly shears the steering stop and certain components contact the fuel tank during a severe impact.

As a precautionary measure, Harley-Davidson recently elected to initiate a voluntary recall in the interest of motor vehicle safety. This voluntary recall applies to the models listed in the table below. The potential conditions will be remedied by replacing the front fork bracket pinch screws along with windshield mounting brackets, if applicable.

If you are not sure that a safety recall has been completed on a particular motorcycle or that a motorcycle is involved in a particular recall campaign, contact the Harley-Davidson Recall Information Line at 1-800-448-1708 for a computer check of our recall records.

We have attached a list that contains the following information:

- The names of registered owners whose vehicles were delivered to your dealership and are involved in this campaign.
- The vehicle identification numbers (VIN) of unregistered vehicles which were delivered to your dealership and which are involved in this campaign.

To ensure rider safety, it is your responsibility to perform the required service on all affected vehicles even if the motorcycle was not purchased from your dealership. You will be required to perform the required service on all affected vehicles in your dealership inventory prior to selling or leasing those vehicles. We are enclosing a sufficient number of blank Dealer Service Cards. If necessary, additional cards are available through the Harley-Davidson Customer Service Department.

Affected Models and Required Hardware Kits

Model Code	VIN Designation (character positions 5 and 6 of 17-digit VIN)	Affected Model Year(s)	Required Hardware Kit Part Number
FXR	EA	1988 - Early 1992 (prior to 08-30-91 production date)	93665
FXRS	EB	1988 - Early 1992 (prior to 08-30-91 production date)	93665
FXRP-Windshield	ED	1988 - Early 1992 (prior to 03-09-92 production date)	93667
FXRS-SP	EG	1987 - Early 1992 (prior to 08-30-91 production date)	93666
FXLR	EL	1987 - Early 1992 (prior to 08-30-91 production date)	93665
FXRS-Convertible	EM	1989 - Early 1992 (prior to 03-24-92 production date)	93668
FXDB-Daytona	GA	Early 1992 (prior to 08-30-91 production date)	93665
FXDB-Sturgis	GB	1990 - 1991	93666
FXDC	GC	Early 1992 (prior to 08-30-91 production date)	93665

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO
INITIAL HERE									

1992 Harley-Davidson®, Inc.

WARNING

Because only registered owners as shown on the attached list will receive notification from us, we request that you contact any owners of vehicles still listed as unregistered. Advise them of the safety recall and make arrangements for them to come in for recall service. We also require that you provide us with their names addresses and VIN's as soon as possible to enable us to mail them an owner's letter as required by the National Traffic and Motor Vehicle Safety Act as amended.

On or before July 29, 1992, Harley-Davidson will begin initial shipments of hardware kits to dealerships. You will receive enough kits to cover about half the total number of affected vehicles on record as having been delivered to your dealership. Once your dealership has received its initial shipment, you may order the remainder of your total kit requirements using the attached special "Code 079" order form. All Code 079 kits will be shipped no charge, transportation paid.

Hardware Kit Number **93665** contains:

QTY	DESCRIPTION
4	Screw, button head TORX 3/8 - 16 x 1-1/2 in.

Hardware Kit Number **93666** contains:

QTY	DESCRIPTION
2	Screw, button head TORX 3/8 - 16 x 1-1/2 in.
2	Screw, button head TORX 3/8 - 16 x 2 in.

Hardware Kit Number **93667** contains:

QTY	DESCRIPTION
4	Screw, button head TORX 3/8 - 16 x 1-1/2 in.
1	Bracket, right windshield mounting
1	Bracket, left windshield mounting
4	Clamp, windshield mounting bracket
4	Bolt, hex flange 5/16 - 18 x 1/2 in.
6	Washer, Belleville
2	Washer, flat
2	Locknut, hex nylon 1/4 - 20
4	Bolt, shoulder 1/4 - 20 x 13/16 in.

Hardware Kit Number **93668** contains:

QTY	DESCRIPTION
2	Screw, button head TORX 3/8 - 16 x 1-1/2 in.
2	Screw, button head TORX 3/8 - 16 x 2 in.
4	Clamp assembly, windshield
1	Key, windshield clamp screw hex

Procedure

Referring to the previous application table, "AFFECTED MODELS AND REQUIRED HARDWARE KITS," install the appropriate recall kit according to the following instructions.

Hardware Kit Numbers 93665 and 93666

NOTE

Replace and final tighten front fork bracket pinch screws one at a time. Do not loosen or remove more than one pinch screw at the same time; otherwise, fork tubes can slide upward or downward within fork brackets. If this occurs, front fork tube extension above front fork upper bracket will have to be readjusted according to appropriate Service Manual procedures.

1. See Figure 1. Remove original hex socket head pinch screw (1) from right side of front fork upper bracket (2).
 - If original screw is 1-1/2 in. long, replace with new 1-1/2 in. long button head TORX screw from kit. Tighten new pinch screw to 30 - 35 ft-lbs torque.
 - If original screw is 2-1/4 in. long (this longer screw is used when attaching a fork-bracket-mounted directional lamp), replace with new 2 in. long button head TORX screw from kit. Make sure directional lamp is aimed directly forward. Tighten new pinch screw to 30 - 35 ft-lbs torque.

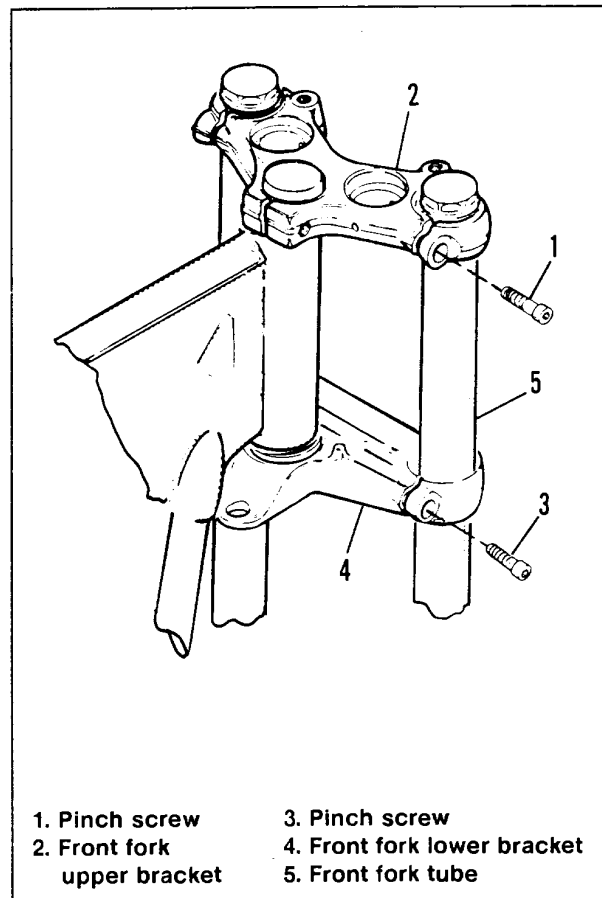


Figure 1. Original Front Fork Bracket Pinch Screws
-- Right Side

2. Repeat Step 1 for original hex socket head pinch screw (3) on right side of front fork lower bracket (4).
3. Repeat Steps 1 and 2 for left side of vehicle.

Hardware Kit Number 93667

1. Support motorcycle on a center stand such that front wheel is raised slightly off the ground.
2. Disconnect pursuit lamp wiring at pin connector(s) (located beneath front fork upper bracket).
3. Remove right pursuit lamp wire terminal(s) from pin connector(s).

NOTE

On vehicles with multiple wires for each pursuit lamp, record position of each wire terminal to be removed from pin connector(s) prior to removal.

4. See Figure 2. Remove right pursuit lamp (1) from original windshield right mounting bracket (2); save fasteners.

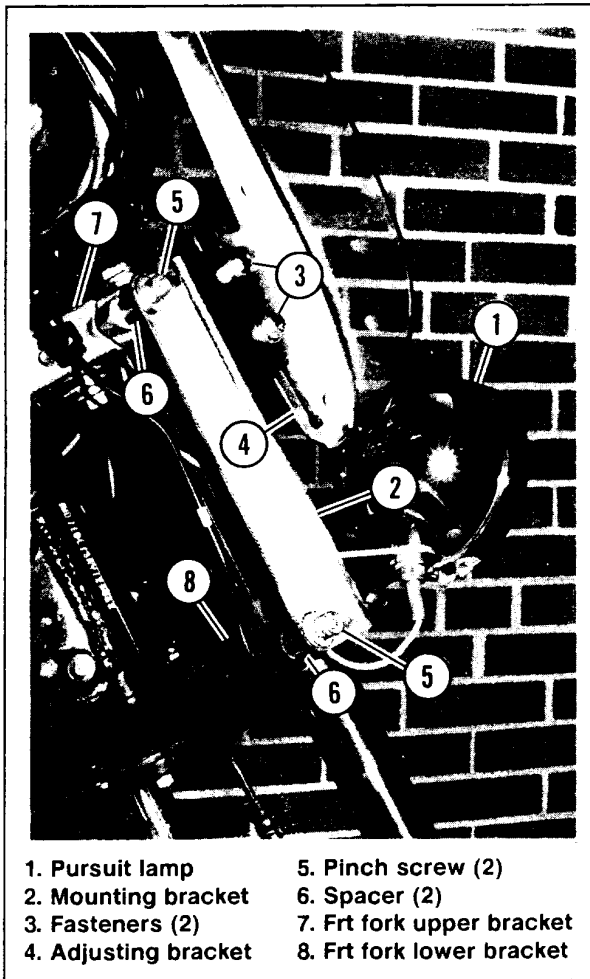


Figure 2. FXRP-Windshield -- Original Windshield Mounting Hardware and Front Fork Pinch Screws -- Right Side

5. Remove fasteners (3) which attach original windshield right mounting bracket to windshield right adjusting bracket (4); discard fasteners.
6. Remove original hex socket head pinch screw (5), washer, and spacer (6) from right side of front fork upper bracket (7); discard screw, washer, and spacer.

NOTE

Do not overloosen or remove pinch screw (5) on right side of front fork lower bracket (8) at this time; otherwise, fork tube may slide downward within fork brackets. If this occurs, front fork tube extension above front fork upper bracket will have to be readjusted according to appropriate Service Manual procedures.

7. Loosen original hex socket head pinch screw (5) on right side of front fork lower bracket (8) only enough to allow you to pivot the original windshield right mounting bracket (2) forward somewhat. Pivot the mounting bracket (2) forward to expose open pinch screw hole in right side of front fork upper bracket (7).
8. See Figure 3. Install new 1-1/2 in. long button head TORX screw (1) from kit into pinch screw hole in right side of front fork upper bracket (2). Verify that proper right front fork tube extension exists above front fork upper bracket (must be identical to left front fork tube extension). Tighten new pinch screw to 30 - 35 ft-lbs torque.

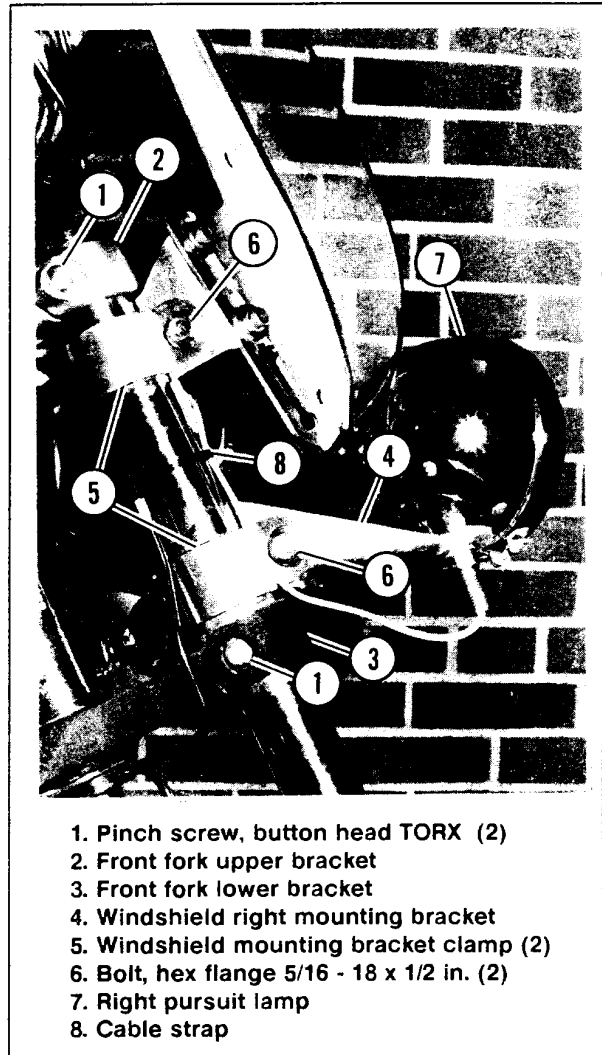


Figure 3. FXRP-Windshield -- New Windshield Mounting Hardware and Front Fork Pinch Screws -- Right Side

9. See Figure 2. Remove original hex socket head pinch screw (5), washer, original windshield right mounting bracket (2), and spacer (6) from front fork lower bracket (8); discard screw, washer, mounting bracket, and spacer.
10. See Figure 3. Install new 1-1/2 in. long button head TORX screw (1) from kit into pinch screw hole in right side of front fork lower bracket (3). Tighten new pinch screw to 30 - 35 ft-lbs torque.
11. Loosely install new windshield right mounting bracket (4) from kit to right front fork tube using two new windshield mounting bracket clamps (5) and 5/16 - 18 x 1/2 in. hex flange bolts (6) from kit.
12. See Figure 4. Position original windshield right adjusting bracket (1) (part of windshield assembly) over outboard side of new windshield right mounting bracket (2) (attached to right front fork tube).

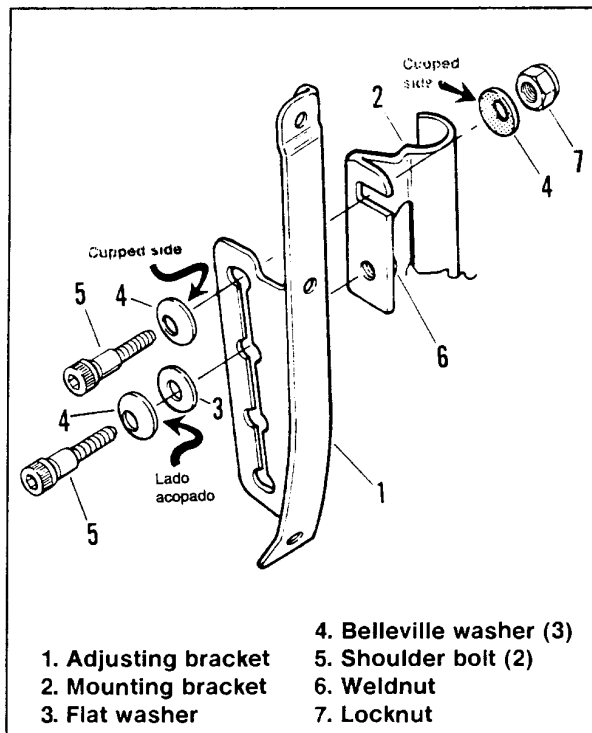


Figure 4. FXRP-Windshield -- New Windshield Mounting Hardware -- Right Side

WARNING

Do not substitute any ordinary fasteners in place of the special shoulder bolts (5) (H-D Part No. 52255-93) and Belleville washers (4) (H-D Part No. 6068) included with this windshield assembly. These bolts and washers are designed to maintain a specific clamping force in this windshield mounting application.

13. Insert a shoulder bolt (5) from kit through one Belleville washer (4) from kit (with concave (cupped) side of washer facing away from bolt head), through flat washer (3) from kit, through slot of adjusting bracket (1), and into threaded weldnut (6) of mounting bracket (2). Do not final tighten at this time.

14. Insert a shoulder bolt (5) from kit through one Belleville washer (4) from kit (with concave (cupped) side of washer facing away from bolt head), through slot of adjusting bracket (1), and through slotted hole in mounting bracket (2). Install another Belleville washer (4) from kit (with concave (cupped) side of washer facing windshield mounting bracket) and a locknut (7) from kit over end of bolt. Do not final tighten at this time.
15. See Figure 3. Verify that windshield is properly positioned on motorcycle. Tighten bolts (6) to 12 ft-lbs torque.

WARNING

See Figure 4. Before tightening windshield mounting shoulder bolts (5), make sure of the following:

- The Belleville washer (4), the flat washer (3), and the adjusting bracket (1) are positioned over the unthreaded, larger O.D. shaft section of the lower shoulder bolt (5); and the shoulder surface of the lower shoulder bolt (5) contacts the weldnut (6) of the mounting bracket (2).
- The first Belleville washer (4), the adjusting bracket (1), the mounting bracket (2), and the second Belleville washer (4) are positioned over the unthreaded, larger O.D. shaft section of the upper shoulder bolt (5); and the shoulder surface of the upper shoulder bolt (5) contacts the locknut (7).

16. See Figure 4. Tighten both shoulder bolts (5) to 8 - 10 ft-lbs torque.
17. See Figure 3. Install right pursuit lamp (7) onto new windshield right mounting bracket (4) using original fasteners. Aim pursuit lamp directly forward, and tighten fasteners securely.
18. Route pursuit lamp wiring as shown in Figure 3. Install wire terminal(s) in appropriate pursuit lamp pin connector(s). Secure wire to right front fork tube using a cable strap (8).
19. Repeat Steps 3 - 18 for left side of vehicle.
20. Connect pursuit lamp wiring at pin connector(s). Lower vehicle from center stand. Test pursuit lamps.

Hardware Kit Number 93668

NOTE

Replace and final tighten front fork bracket pinch screws one at a time. Do not loosen or remove more than one pinch screw at the same time; otherwise, fork tubes can slide upward or downward within fork brackets. If this occurs, front fork tube extension above front fork upper bracket will have to be readjusted according to appropriate Service Manual procedures.

- See Figure 1. Remove original hex socket head pinch screw (1) from right side of front fork upper bracket (2).
 - If original screw is 1-1/2 in. long, replace with new 1-1/2 in. long button head TORX screw from kit. Tighten new pinch screw to 30 - 35 ft-lbs torque.
 - If original screw is 2-1/4 in. long (this longer screw is used when attaching a fork-bracket-mounted directional lamp), replace with new 2 in. long button head TORX screw from kit. Make sure directional lamp is aimed directly forward. Tighten new pinch screw to 30 - 35 ft-lbs torque.
- Repeat Step 1 for original hex socket head pinch screw (3) on right side of front fork lower bracket (4).
- See Figure 5. Remove both original socket head screws (1) with washers from windshield right mounting bracket (2); discard fasteners. Lift windshield/mounting bracket assembly away from both windshield mounting bracket clamps (5) on right front fork tube.

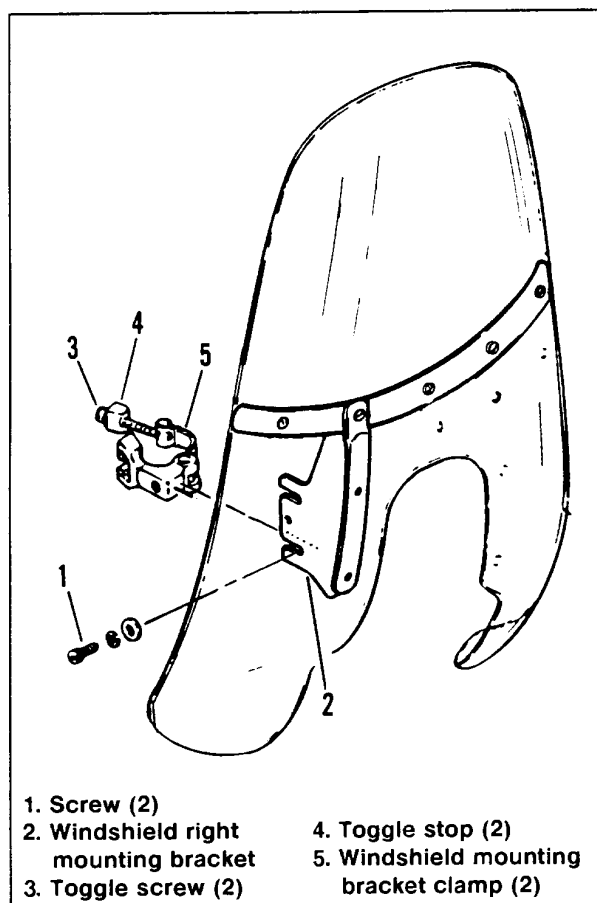


Figure 5. FXRS-Convertible Windshield -- Right Side

- With masking tape or a grease pencil, mark position of each original right side windshield mounting bracket clamp (5) on right front fork tube. Loosen socket head toggle screw (3) of each right side clamp (5) enough to slide toggle stop (4) out of slot in clamp. Remove and discard both original clamps.

CAUTION

Do not close new windshield mounting bracket clamps around wiring or cables when installing clamps onto front fork tube.

- Install two new windshield mounting bracket clamps (5) from kit in same positions as original clamps on right front fork tube; use hex key included with kit to loosely secure new round head toggle screw (3) on each clamp.

CAUTION

- Be sure lower end of windshield is positioned behind front directional lamp.**
- Do not bend or damage front brake line.**

- Position windshield right mounting bracket (2) (part of windshield assembly) over new clamps (5) on right front fork tube. Verify windshield alignment, then secure with two new round head screws (1) and washers using hex key from kit

CAUTION

Tighten toggle screws (3) using the supplied hex key. Do not use a long-handled Allen wrench. Do not overtighten screws; overtightening can cause toggle screws to loosen over time. These clamps are designed to produce their maximum clamping load when the toggle screws are snugly tightened by hand using the provided hex key.

- Check windshield alignment, then final tighten toggle screw (3) on each clamp (5) using hex key from kit.
- Repeat Steps 1 - 7 for left side of vehicle.

Credit Procedure

After servicing each vehicle, complete the special Dealer Service Card provided. For each vehicle serviced, place a "C" in the letter box and a "1" in the quantity box. Fill in your Dealer Account Number, the VIN (vehicle identification number), your dealership name and address, and the owner information, if blank.

Do not return the replaced components to Harley-Davidson, Inc.

When Harley-Davidson receives your properly completed Dealer Service Card, you will be credited for labor time as shown in the table below. The labor time listed includes 0.1 hour for dealer administration time. You will not be issued credit for parts because they were shipped no charge, transportation paid.

Labor Time Credit

Installed Hardware Kit Part Number	Labor Time (in hours)
93665	0.2
93666	0.2
93667	0.4
93668	0.4



HARLEY-DAVIDSON MOTOR COMPANY
P.O. BOX 594, MILWAUKEE, WI U.S.A 53201
PARTS & ACCESSORY ORDER

M-1026

TYPE CODE	ORDER TYPE	VEHICLE IDENTIFICATION NUMBER
R	REGULAR	
P	POLICE	
D	DOWN VEHICLE	
W	WARRANTY	

DEALER ORDER
ORDER DATE
DEALER NO.
ORDER TYPE
WARRANTY CLAIM NO.

S O NAME _____ S H NAME _____
L I P ADDRESS _____ SAME
D CITY/STATE/ZIP _____ T CITY/STATE/ZIP _____
O O

FOR OFFICE USE ONLY	
ACCT.	173-770.2
FRT. ACCT.	173-770.3

QUANTITY	PART NUMBER	Code 079:
	93665 FXR,FXRS,FXLR,FXDC FXBD-Daytona Kit	<div>WARRANTY CODE 079</div> <p>NOTE: All orders subject to approval. You may not receive the total quantity of kits ordered, due to parts a availability. If this happens, the remainder of the quantity ordered will go on future order status until parts become available.</p>
	93666 FXRS-SP, FXDB-Sturgis Kit	
	93667 FXRP-W Kit	
	93668 FXRS-Convertible Kit	

PLEASE USE PART NUMBERS
DO NOT USE FOR
CORRESPONDENCE

PLEASE USE PART NUMBERS
DO NOT USE FOR
CORRESPONDENCE

ALL ORDERS SUBJECT TO ACCEPTANCE AT MILWAUKEE, WI 53201
All goods covered by this order, including goods back-ordered, will be billed at prices current at the time of shipment. Goods are purchased for resale and delivery is made to purchaser F.O.B. factory, Milwaukee, Wisconsin or other point of origin. If accepted, this order as accepted shall be subject to availability of goods to seller for delivery to purchaser. Any delay in shipment shall not relieve purchaser of responsibility for his accepted order and seller shall not be liable for any loss or damage due to delay in shipment or failure to deliver. Any request for cancellation of this order or any part thereof must be received by seller prior to the date of shipment, and in case of re-shipment or return of goods to seller, purchaser shall pay the entire cost connected therewith, plus zero, ten or twenty-five percent of selling price, as determined by Company policy from time to time, as liquidated damages for loss of sale. Purchaser will be responsible for collection and payment of all Federal, State and local taxes that apply on the retail sales.