

TRAC VAC

FRONT MOUNT BLADE



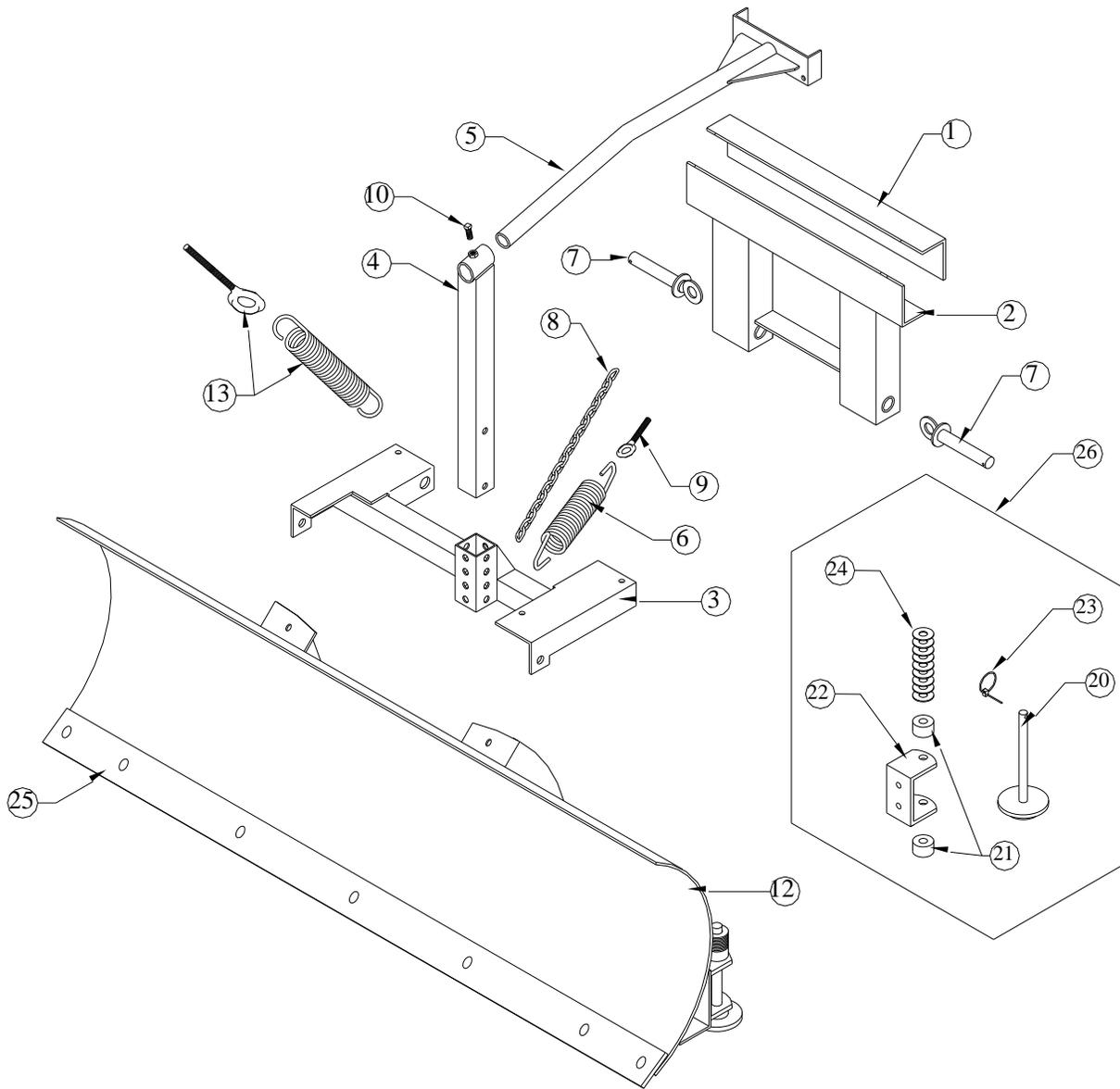
Operating and Assembly Manual

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FM BLADE INSTALLATION INSTRUCTIONS

Note: If using the blade angle kit do not use these instructions, use instructions packed in with the angle kit.

1. Install tractor specific mountings according to instructions provided with kit. Do not tighten hardware for mounts, leave them loose. Pin crosstubes in place. Slip pins (7) into lower half of blade mount (2). **FIG. 1**
2. Orient half brackets around crosstubes as illustrated and bolt together two halves using four 5/16" x 1" bolts and whizlock nuts on bottom of brackets and two 5/16" x 1" bolts on top right two mount points (as sitting on tractor) as pictured. Once again do not tighten, just snug bottom bolts. **FIG. 2**
3. Slip the mount tabs on the carrier frame (3) into the pockets on the back of the blade (12) and secure with 1/2" bolts washers and nylock nut provided with the blade. Note: only tighten until bolt protrudes through the nut. **FIG. 3**
4. Slide carrier frame/blade assembly onto bottom of lower half of blade mount (2) as shown and secure by sliding the two pins (7) through the holes in the carrier frame and securing with hairclip pins provided. Slip 5/16" x 1 1/4" bolt through the hole position on top of brackets just left of center (as sitting on tractor) Slip end link of chain (8) onto bottom of bolt and secure with 5/16" whizlock nut provided. **FIG. 4**
5. Spin one 3/8" whizlock nut onto 3/8" x 4" eyebolt (11) about halfway, with flange on nut away from eye on eyebolt. Hook a trip spring (13) into rear hole on carrier frame (3) as shown. Hook eyebolt with whizlock onto opposite end of spring just installed and pass the threaded end of the eyebolt through the mount tab on the back of the blade as illustrated. Secure with another 3/8" whizlock nut. Repeat for the opposite side. Note: These two trip spring assemblies are a safety feature of the blade, when contact is made with a hard or heavy object at ground level the springs allow the blade to trip over to ease the shock on operator and tractor. The tighter the springs are installed, the harder the blade is to trip. Adjust tension to your personal preference. **FIG. 5**
6. Spin one 5/16" whizlock nut onto 5/16" x 2 1/4" eyebolt (10) about halfway, with flange on nut away from eye on eyebolt. Slip eyebolt with whizlock through the remaining hole in half brackets as shown (eyebolt pointed down) and secure with second 5/16" whizlock. Hook the spring onto the eyebolt. Lift the blade assembly enough to get opposite side of spring into front hole in carrier frame (3). Note: This spring assembly is the lift spring assembly; the tighter you install the spring the harder it is to push down to make contact with the ground. Adjust the tension on the lift spring to your personal preference. **FIG. 6**
7. Slide kick tube (5) into push tube (4) and secure with 5/16" x 3/4" square set screw (finger tight only). Slide assembly into receiver on carrier frame. Adjust height to best fit your specific application and secure with 3/8" x 2 1/4" bolt and whizlock nut. Loosen 5/16" x 3/4" square head set screw and slip kick tube (5) to the most comfortable operating position and secure with the 5/16" x 3/4" square head set screw. **FIG. 7**
8. Slip 5/16" x 2 1/2" bolt thru hole in kick tube above the receiver in the main carrier frame. Slip chain link over end of 5/16" x 2 1/2" bolt and secure with 5/16" locknut. Note: to determine what link of chain to secure to bolt, push blade down and hold to the ground pull the chain tight and then loosen the chain by one link. Depending on what adjustment you have on your kick tube/push tube assembly different links on the chain may need to be used. **FIG. 8**
9. Tighten all loose hardware and test operation of unit.



KEY	PART NO.	DESCRIPTION	QTY	KEY	PART NO.	DESCRIPTION	QTY
1	35876	BOTTOM HALF, SPREADER MOUNT	1	20	35895	SKID, BLADE	1
2	35878	LOWER HALF, BLADE MOUNT	1	21	35899	BUSHING	2
3	35879	CARRIER FRAME, BLADE MOUNT	1	22	35897	SKID MOUNT BRACKET	1
4	35880	PUSH TUBE, BLADE MOUNT	1	23	85042	LYNCH PIN	1
5	35881	KICK TUBE, BLADE MOUNT	1	24	5000802	1/2" FLAT WASHER	9
6	48038	SPRING	1	25	35951A	WEAR STRIP, BLADE 50"	1
7	35901C	PIN, FM	2		35952A	WEAR STRIP, BLADE 60"	
8	35883	CHAIN, STOP	1	26	35896	KIT, SKID & HARDWARE REPLACEMENT	
9	3120518	5/16" X 2 1/4" EYEBOLT	1				
10	3121875	3/8"-16 X 3/4" SQ. HEAD SET SCREW	1				
12	35951	BLADE, 50"	1				
	35952	BLADE, 60"	1				
13	35893A	SPRING SET, BLADE TRIP W/EYEBOLTS	1				

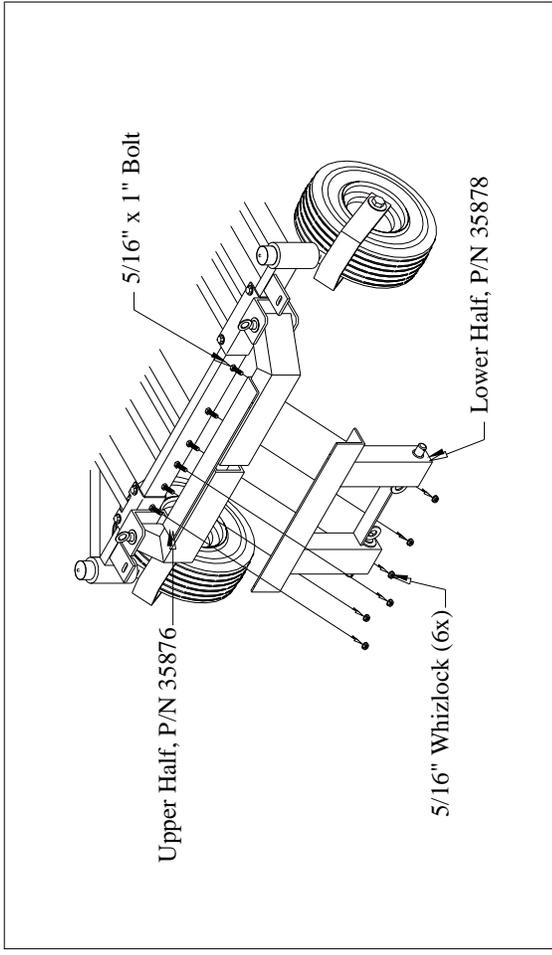
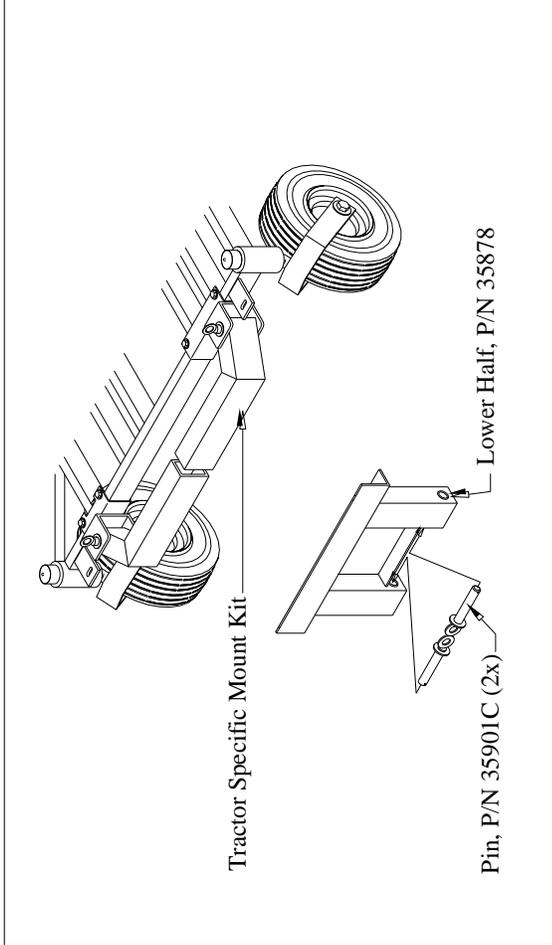


Fig. 1

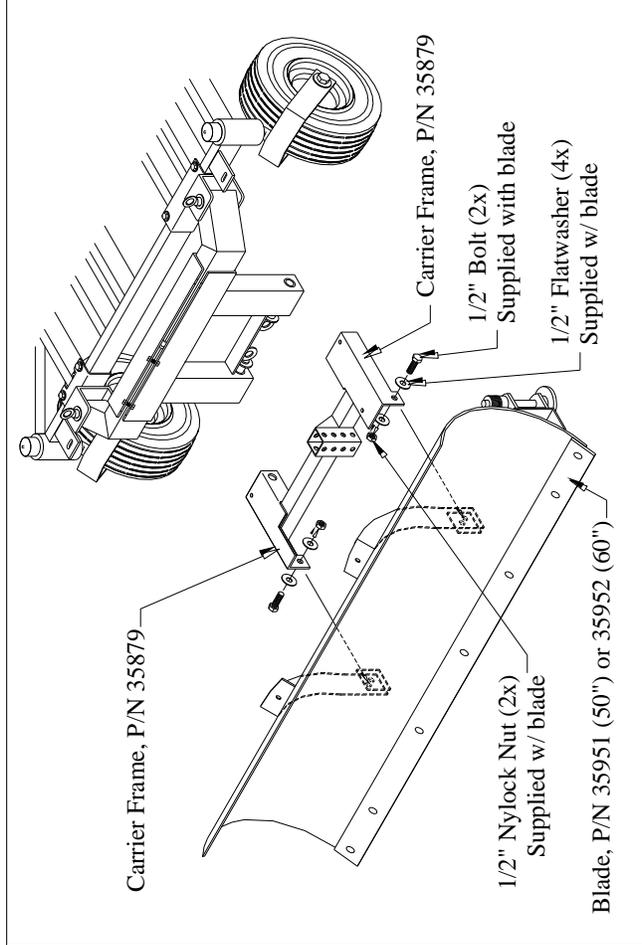


Fig. 2

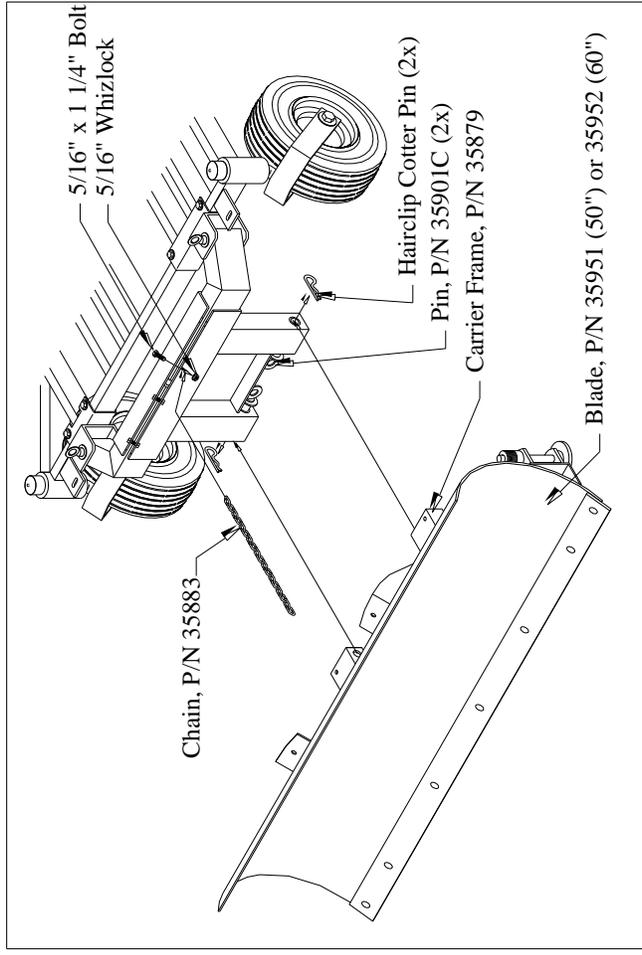


Fig. 3

Fig. 4

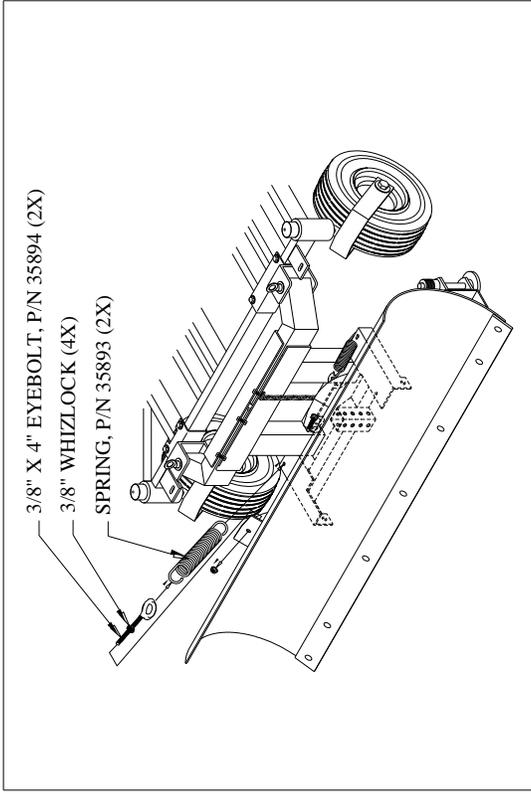


Fig. 5

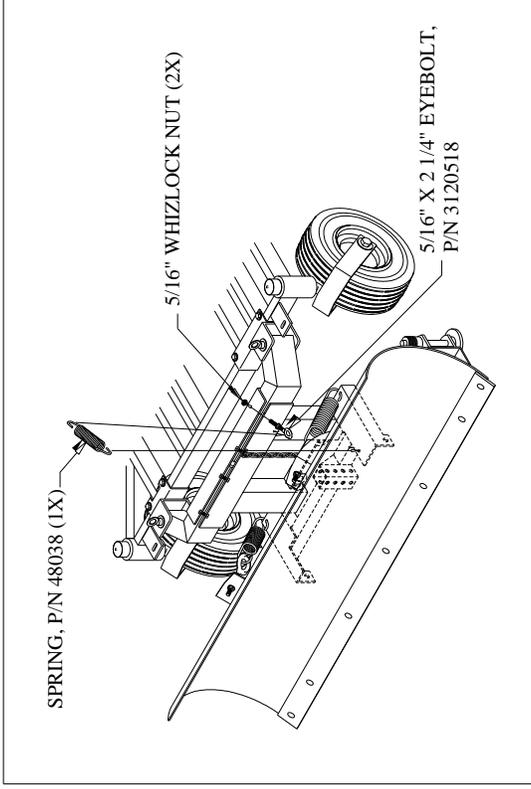


Fig. 6

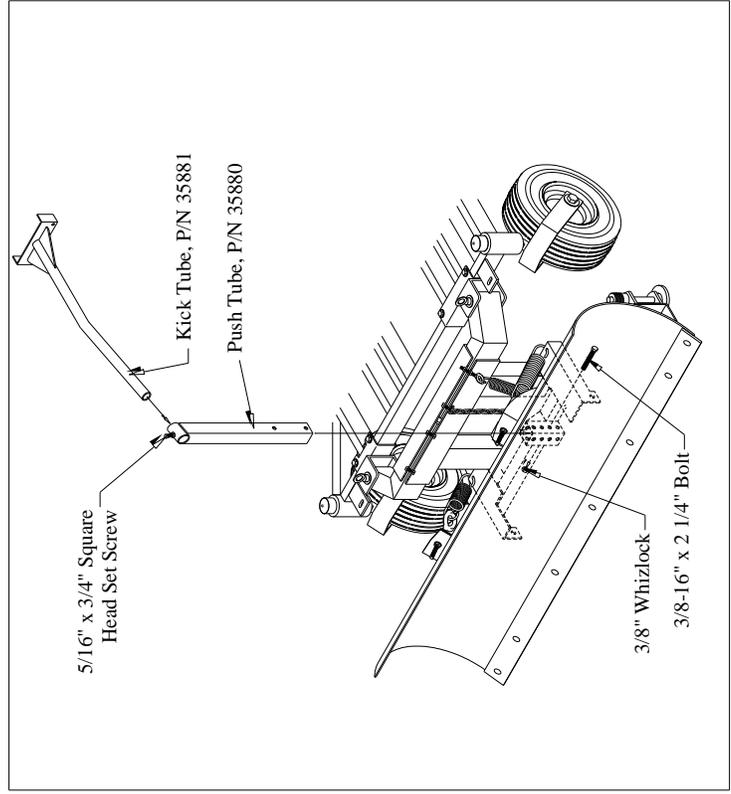


Fig. 7

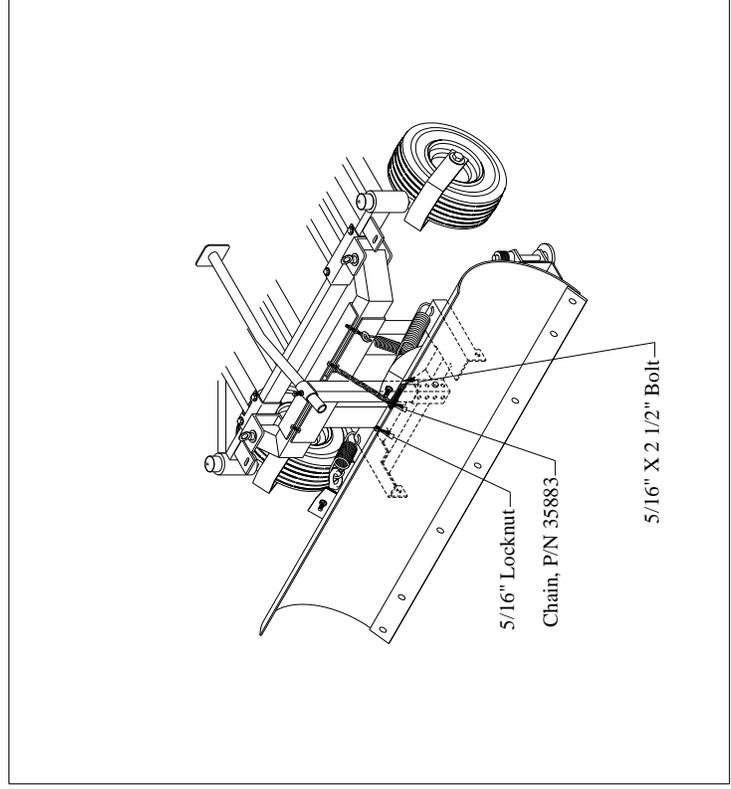


Fig. 8

OPERATING PROCEDURE

1. Inspect area to be cleared, pickup any harmful objects and note any locations of immovable objects that may cause damage or injury and stay clear of them.
2. Your blade was designed to hold itself down under load so the operator does not have to keep his foot on the actuation pedal while blade is in use. Push the blade to the ground and engage the material you wish to move, once engaged remove foot from actuation pedal and continue forward. Your blade should stay in contact with the ground until forward momentum is discontinued. If your blade will not hold itself down under load, the lift springs are too tight and need to be loosened. Note: for lighter materials loosening the lift springs may not work, constant pressure on actuation pedal may be necessary.
3. Your blade also has a trip over feature to the blade for added safety. If contact is made with an immovable object at the bottom edge of the blade the trip springs will allow the blade to fold over so the force of making contact with the object is greatly reduced on equipment and personnel. These springs can also be adjusted to your preference, the looser the spring the easier the blade will trip over.
4. When operating on any slope or grade exercise extreme caution.
5. Do not operate with passenger on blade or tractor.
6. Periodically check all fasteners for tightness.

EXTENDED STORAGE PROCEDURE

1. Wash and dry unit thoroughly.
2. Inspect unit for any damage.
3. Relieve tension on all springs.

TRAC-VAC WARRANTY POLICY

Midwest Equipment Manufacturing, Inc. will repair or replace, free of charge, any part, or parts that are defective in material or workmanship or both for a period of one year residential use, and 90 day's for commercial and rental use. The purchaser will pay transportation charges on parts submitted for replacement under warranty. For warranty service, contact your local dealer from whom the unit was purchased. There are no other express or implied warranties. Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

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