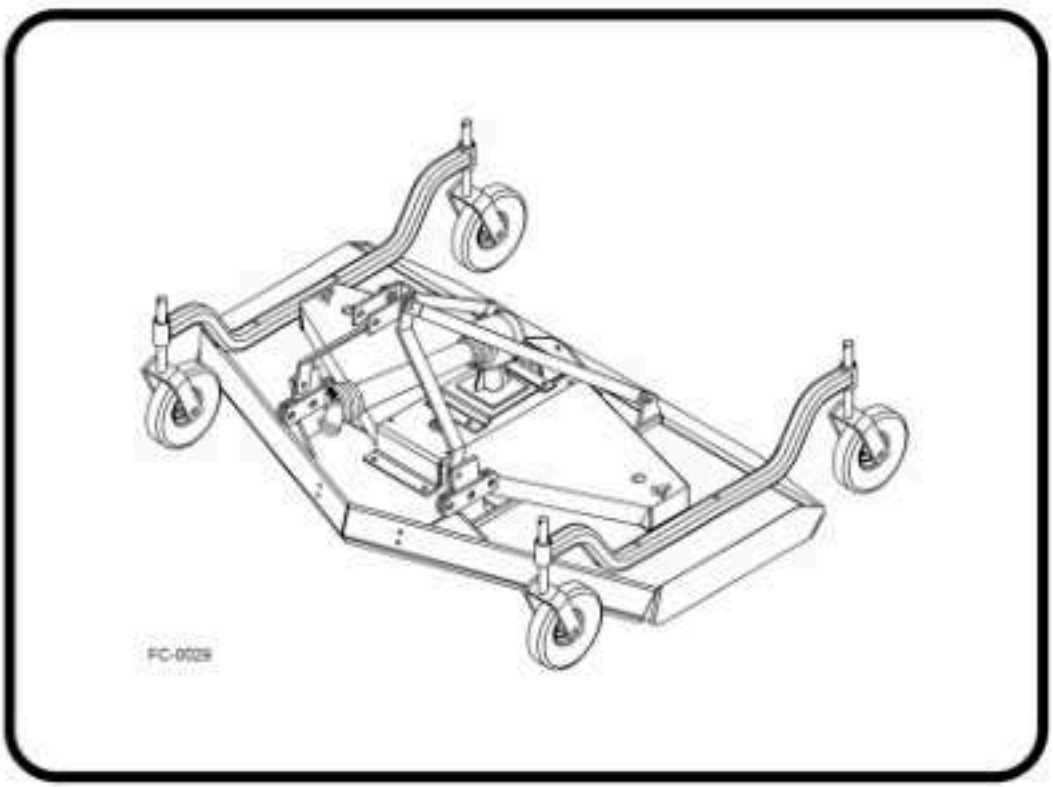
Bobcat®

Operation & Maintenance Manual
Finish Mower

3FM60 - S/N A1FR00101 & Above
3FM72 - S/N A1FS00101 & Above



***Not approved for use on the Bob-Tach Three-Point Hitch Adapter or Three-Point Hitch U-Frame Couplers.**

Ingersoll Rand

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1. Standard Equipment and Specifications

***Not approved for use on the Bob-Tach Three-Point Hitch Adapter or Three-Point Hitch U-Frame Couplers.**

	3FM60	3FM72
Cutting Width	58-1/4"	70-3/4"
Overall Width	60-3/8"	72-3/8"
Overall Length	58-1/4"	58-1/4"
Cutting Height Range	3/4" - 5-1/4"	3/4"-5-1/4"
Hitch	Cat I, Floating	Cat I, Floating
Blade Overlap	1-1/2"	1-1/2"
HP Required(Min.)	16 HP	22 HP
Gearbox Rating	55 HP	55 HP
Blade Tip Speed:	17,745 FPM	17,991 FPM
Driveline Size	Cat 3	Cat 3
Deck Thickness	3/16"	3/16"
Side Skirts	3/16" x 4-1/2"	3/16" x 4-1/2"
Blades	3, Updraft	3, Updraft
Tractor PTO	540	540
Extended Floating Hitch	Std.	Std.
Tires and Wheels	4, 3-1/4" x 10", Solid Rubber or Pneumatic	4, 3-1/4" x 10", Solid Rubber or Pneumatic
Weight	544 lbs.	599 lbs.

*Safety Deflectors are standard equipment. Single and double chain guards are available as extra equipment at extra cost. Bobcat recommends mowers be equipped with deflectors or double chain guards for all mowing purposes. Single chain guards may be used for agriculture purposes only and are specifically not recommended for highway, right-of-way, parks or greenbelt mowing.

**Ratings based on actual field performance.

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10.4 Driving the Tractor and Mower

Start off driving at a slow speed and gradually increase your speed while maintaining complete control of the tractor and mower. Moving slowly at first will also prevent the tractor from rearing up and loss of steering control. The tractor should never be operated at speeds that cannot be safely handled or which will prevent the operator from stopping quickly during an emergency. If the power steering or engine ceases operating, stop the tractor immediately as the tractor will be difficult to control.

Drive the tractor with the 3-Point lift arms in the raised position and lock the control lever in the transport detent position to prevent damage to the mower driveline and tongue when turning.

Perform turns with the tractor and mower at slow speeds to determine how the tractor with an attached mower handles a turn. Determine the safe speed to maintain proper control of the tractor when making turns. When turning with a towed implement, the overall working length of the unit is increased. Allow additional clearance for the mower when turning..



To avoid overturns, drive the tractor with care and at safe speeds, especially when operating over rough ground, crossing ditches or slopes, and turning corners. Tractor wheel tread spacing should be increased when working on inclines or rough ground to reduce the possibility of tipping.

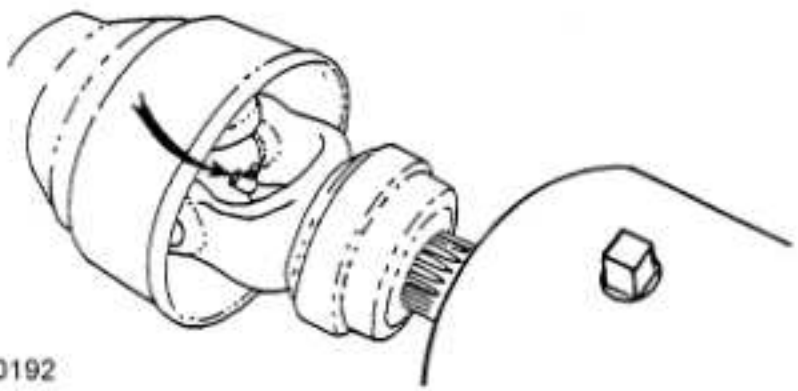
Use extreme caution when operating on steep slopes. Keep the tractor in a low gear when going downhill. DO NOT coast or free-wheel downhill. *OPS-R-0018*



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DRIVELINE LUBRICATION

Grease Fittings are located on the Cross Assembly of each U-Joint and on the telescoping tubes. Grease the U-Joint after each 10 hours of use. **Figure Mnt-R-0192**. Do not force grease through the Needle Cup Assemblies.

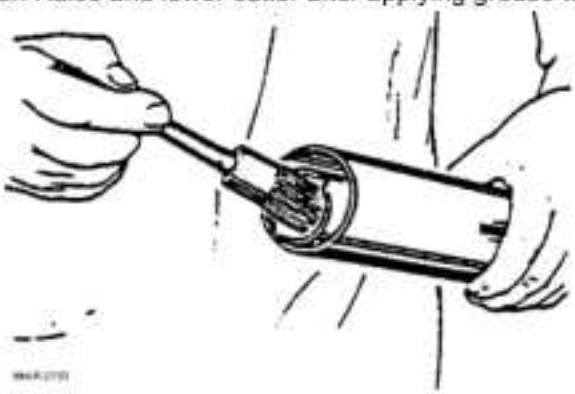


Mnt-R-0192

The telescoping PTO shaft inside the shielding must be lubricated daily. **Figure Mnt-R-0193.**

Disconnect driveline from tractor and pull halves apart. Insert grease into outer profile cavity on half attached to gearbox and spread evenly. Install driveline halves together.

Reconnect driveline to tractor. Raise and lower cutter after applying grease to spread over joint working area.



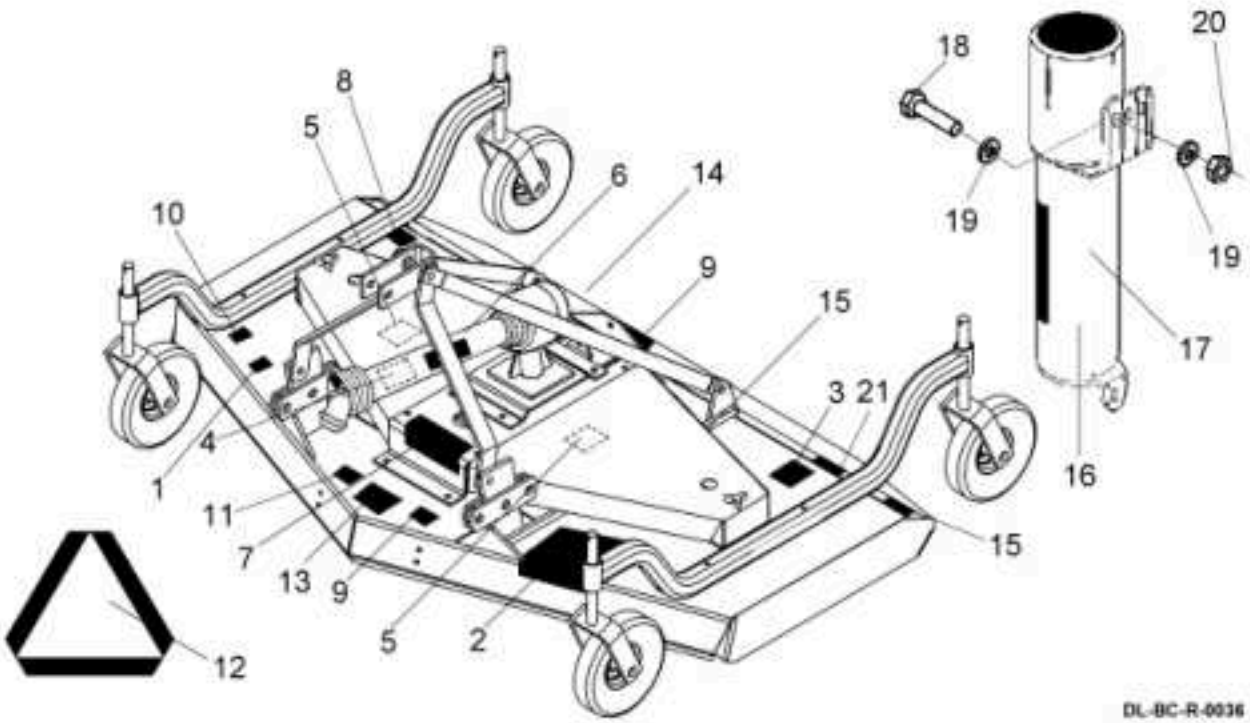
⚠ WARNING When attaching PTO yoke to tractor PTO shaft, it is important that the spring-activated locking twist collar rotates freely and locking ball are seated on the groove on PTO shaft. A loose yoke could slip off and result in personal injury or damage to cutter.

BLADE SPINDLE LUBRICATION

Blade spindles must be lubricated daily (every 10 hrs). Access lubrication fitting through hole in outer shields and in center gearbox mounting. Grease spindle until a small amount of grease purges from the upper seal, wipe off any excess grease. ***NOTE:*** *Do not over lube as excess grease may get on belt drive.*

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Decal Location





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MAINTENANCE

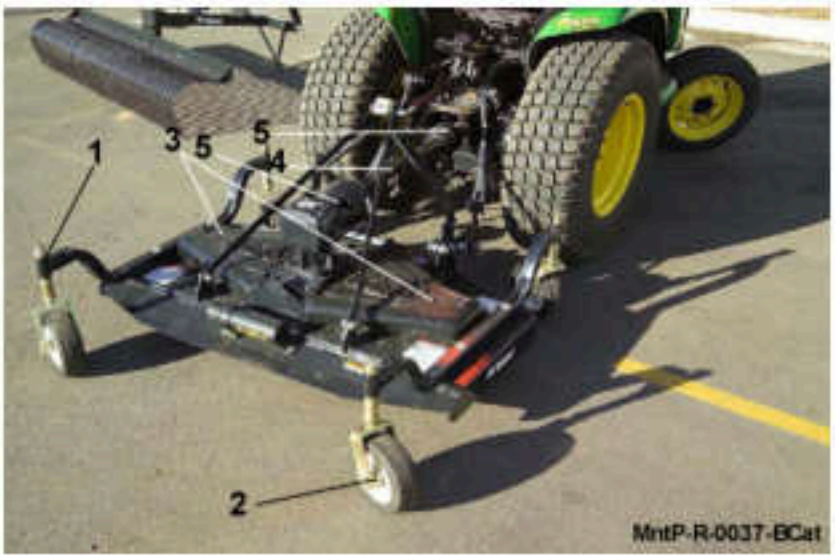
Before operating your Finishing Mower, make sure it is properly lubricated and thoroughly inspected. Only a minimum of time and effort is required to regularly lubricate and maintain this machine to provide long life and trouble free operation.

⚠ WARNING Always disengage the PTO before raising the Rotary Cutter for transporting or making adjustments.

Lubrication

Do not let excess grease collect on or around parts, particularly when operating in sandy areas. The illustrations below shows lubrication points. The chart gives the frequency of lubrication in hours, based on normal operating conditions. Severe or unusual conditions may require more frequent lubrication. **Figure MntP-R-0036.**

Use an SAE multi-purpose, lithium-type grease for all locations shown. Be sure to clean the fitting thoroughly before using grease gun. Daily lubrication of the wing driveline slip joint is necessary. Failure to maintain proper lubrication will result in damage to U-joints, gearbox, and/or driveshaft.



Lubrication Fitting Location

ITEM	DESCRIPTION	FREQUENCY
1	Gauge Wheel Pivots	10 Hours or daily
2.	Wheel Hubs	10 Hours or daily
3.	Blade Spindle	10 Hours or daily
4.	U-Joint Telescoping Member	10 Hours or daily
5.	U-Joints	10 Hours or daily

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