



EASYBIRD
OSCILLATING BASE
12VDC
Part No. 40913



Instruction Manual



**WARNING! TO AVOID SERIOUS INJURY
THOROUGHLY READ INSTRUCTIONS BEFORE USING OSCILLATING BASE.**

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I. Introduction

The EASYBIRD Oscillating Base is an optional accessory to be used ONLY with the Champion EASYBIRD Auto-Feed and EASYBIRD 6-Packer traps to provide the shooter with added functionality and enjoyment to enhance their shooting experience.

Features of the EASYBIRD Oscillating Base include:

- * Lightweight, Adds only 20 lbs to the EASYBIRD Autofeed or EASYBIRD 6-Packer
- * 45 degrees oscillating angle provides a wide range of challenging targets
- * 34.28 degrees oscillating angle duplicates a 2 hole setting for ATA trap shooting
- * Connects directly to Easybird 6-Packer and uses the same 12V battery
- * In-Line On/Off switch for use with EASYBIRD Autofeed
- * Lock down nut locks the base in a fixed position.

II. Safety



WARNING! THIS MACHINE CAN CAUSE SERIOUS INJURY OR DEATH.

THOROUGHLY READ INSTRUCTIONS BEFORE INSTALLING OR OPERATING TRAP.

DO NOT STAND IN FRONT OF THE TRAP WHEN IT IS IN THE COCKED POSITION. SERIOUS INJURY OR DEATH CAN RESULT.

THIS TRAP IS CAPABLE OF THROWING TARGETS A DISTANCE OF 70 YARDS. USE ONLY IN AREAS WHERE THERE IS NO RISK OF HITTING A PERSON WITH THE TARGET.

CAUTION! The EASYBIRD 6-Packer Trap or EASYBIRD Auto-Feed Trap must be bolted down to the trailer, stand, or to a flat, solid surface to eliminate any movement of the trap while operating! Do not install in an area that does not allow safe access to the trap during loading and use. Provide ample clearance around trap. The ON/OFF/SAFE RELEASE switch is located on the rear of the trap to allow the trap to be uncocked before approaching it. Provide for safe access to the switch that will not require anyone to walk in front of the trap to load targets or perform work on it.



WARNING! IF THERE IS A TARGET ON THE THROWING ARM, SAFE RELEASING THE THROWING ARM WILL THROW THE TARGET. DO NOT STAND IN FRONT OF THE TRAP WHILE SAFE RELEASING THE THROWING ARM.

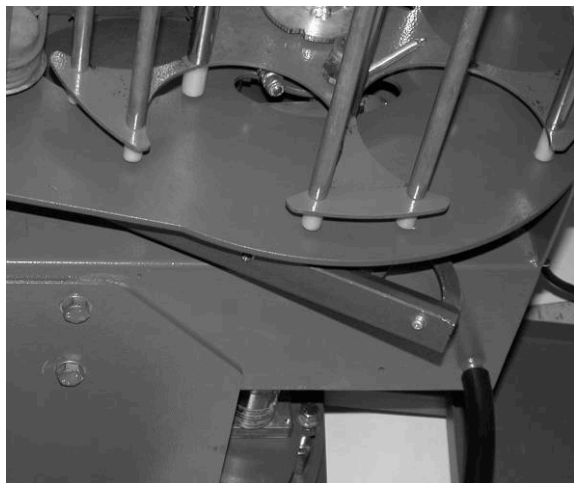
1. Before adding the oscillating base, performing any work or maintenance on the EASYBIRD 6-Packer or EASYBIRD Auto-Feed Traps, check to see if the trap throwing arm is in the “cocked” position (FIGURE 2). If it is, move the throwing arm to the **uncocked** position (FIGURE 3) by momentarily pressing the ON/OFF/SAFE RELEASE switch (FIGURE 1) to the “Safe Release” position, and after the arm releases to the uncocked position, release the ON/OFF/SAFE RELEASE switch allowing it to return to the “OFF” position.
2. Finally, remove battery cables from battery.



WARNING! THE ON/OFF/SAFE RELEASE (MAIN POWER) SWITCH ON THE TRAP MUST BE IN THE ‘OFF’ (CENTER) POSITION , THE BATTERY DISCONNECTED FROM THE TRAP, AND THE THROWING ARM IN THE UNCOCKED POSITION BEFORE PERFORMING ANY REPAIR, MAINTENANCE OR ASSEMBLY.

FIGURE 1
ON/OFF/SAFE RELEASE (Main Power) Switch

FIGURE 2
Throwing Arm in
COCKED Position

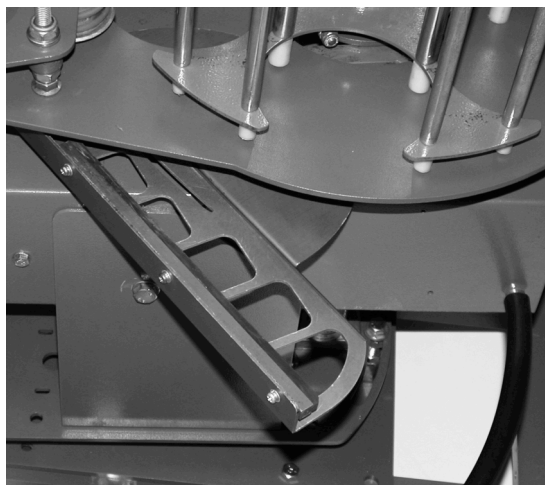


EASYBIRD 6-Packer



EASYBIRD Auto-Feed

FIGURE 3
Throwing Arm in
UNCOCKED Position



EASYBIRD 6-Packer



EASYBIRD Auto-Feed

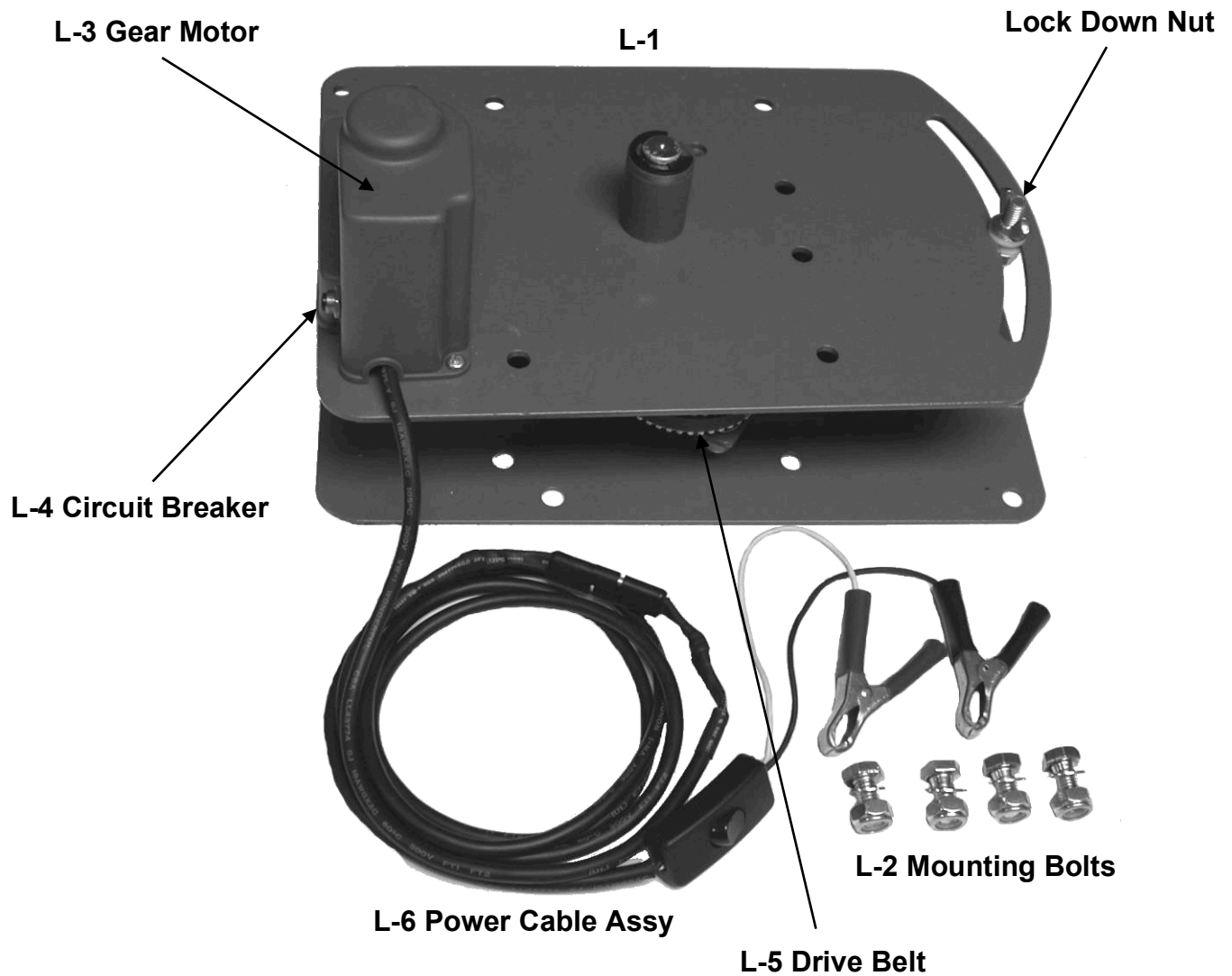
3. All personnel operating the trap should be thoroughly familiar with the operating instructions and the safety issues relating to the trap.
4. Do not leave trap in the cocked position. Not only is this potentially dangerous, but it puts undue stress on the mainspring.
5. Always load the trap magazine from the rear of the trap.
6. Keep hands and body outside the trap and throwing arm path indicator areas while the trap is operating. This ring shows the throwing arm's path when throwing a target, and should always be attached to the trap when it is in use.
7. Be aware that a cracked or broken target thrown from the trap will sometimes scatter pieces out the right side of the machine as the arm throws. These pieces may hit nearby unsuspecting bystanders.
8. Always wear eye and hearing protection when shooting.

 **WARNING: FAILURE TO FOLLOW SAFETY RULES CAN RESULT IN SERIOUS INJURY OR DEATH!**

III. Installation

1. Contents

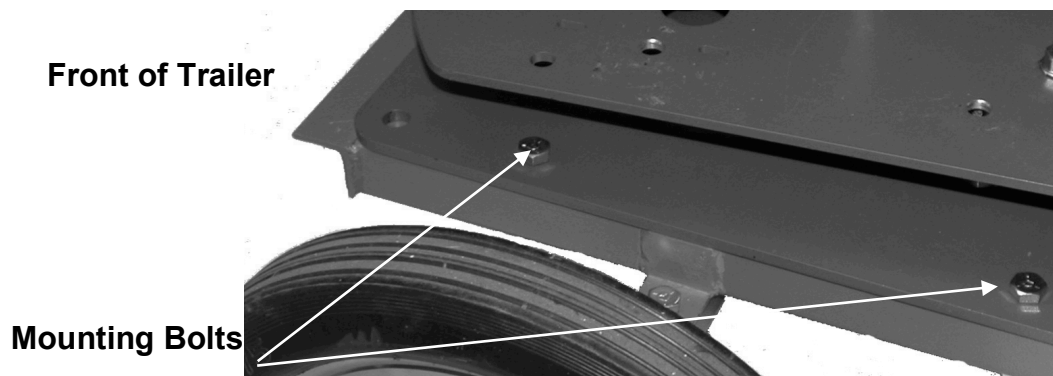
- L-1. Oscillating Base Unit
- L-2. 10mm Mounting Bolts, Washers and Lock Nuts – 4 ea
- L-3. Gear Motor
- L-4. Circuit Breaker
- L-5. Drive Belt
- L-6. Power Cable Assy



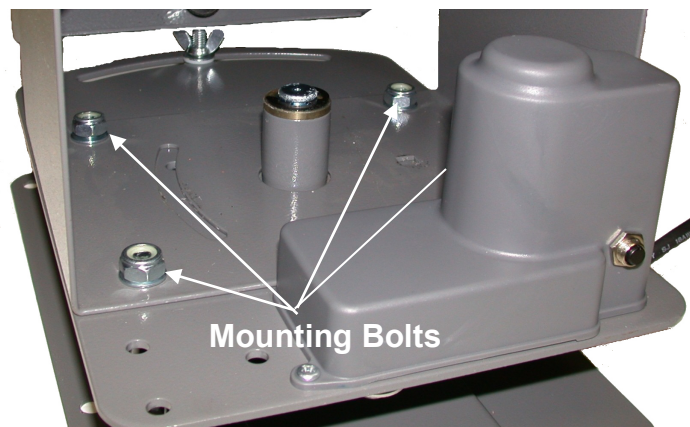
CAUTION! The EASYBIRD 6-Packer or EASYBIRD Auto-Feed Trap with Oscillating Base must be bolted down to the trailer, trap taxi, 3 legged stand, or to a flat, solid surface to eliminate any movement of the trap while operating ! Do not install in an area that does not allow safe access to the trap during loading and use. Provide ample clearance around trap. The ON/OFF/SAFE RELEASE switch for each trap is located on the rear of the trap to allow the trap to be uncocked before approaching it. Provide for safe access to the switch that will not require anyone to walk in front of the trap to load targets or perform work on it.

2. Attaching Oscillating Base To EASYBIRD 6-Packer Trap

1. Remove the 6-Packer trap by unbolting it from the trailer.
2. The EASYBIRD Oscillating Base has (4) pre-drilled holes that align with the four mounting holes on the frame of the 6-Packer trailer. Use the 10mm x 50mm hex head bolts (4) and 10mm lock nuts (4) supplied with the trailer to securely fasten the oscillating base to the trailer frame as shown. **The gear motor on the top of the oscillating base is to the front, the lock down nut and bolt is to the rear.**

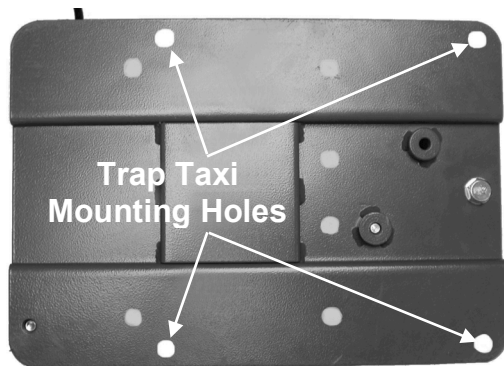


3. Use the 10mm x 20mm hex head bolts, washers, and 10mm lock nuts (L-2) provided with the oscillating base to securely fasten the 6-Packer trap to the oscillating base. Bolts should be inserted from underneath with the washers and nuts on top as shown. The mounting bolt that is directly over the shock absorber can be installed after the oscillating base is connected and the oscillating base can be moved slightly using the jog switch.

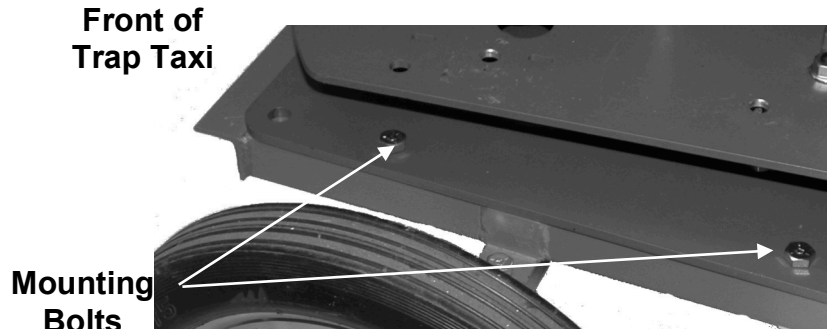


3. Attaching Oscillating Base To EASYBIRD Auto-Feed

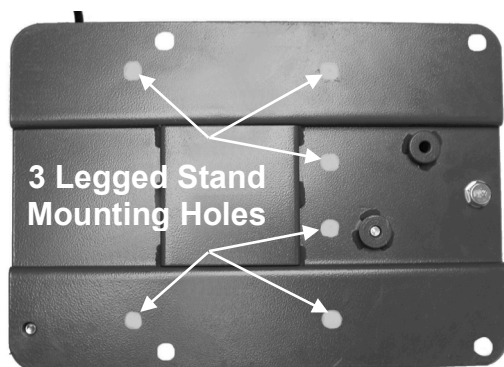
1. Remove the EASYBIRD Auto-Feed trap by unbolting it from the Trap Taxi, 3 legged stand, or other platform.
2. **Mounting to the Trap Taxi** - The EASYBIRD Oscillating Base has (4) pre-drilled holes that align with the four mounting holes on the frame of the Trap Taxi. Use the 10mm x 50mm hex head bolts (4) and 10mm lock nuts (4) supplied with the Trap Taxi to securely fasten the oscillating base to the trap taxi as shown. **The gear motor on the top of the oscillating base is to the front, the lock down nut and bolt is to the rear.**



**Bottom of
Oscillating Base**



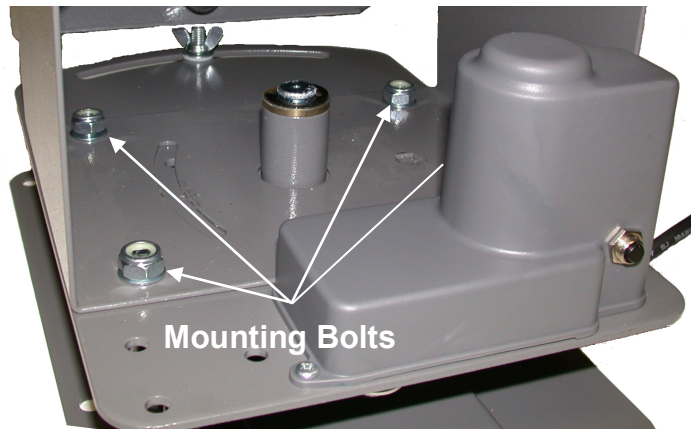
3. **Mounting to the 3 legged stand or other platform** - The EASYBIRD Oscillating Base has pre-drilled holes that align with the mounting holes on the 3 legged stand used with the Easybird Auto-Feed. Use the 10mm x 20mm hex head bolts (4) and 10mm lock nuts (4) supplied with the 3 legged stand to securely fasten the oscillating base to the 3 legged stand as shown. Use longer mounting bolts and any of the mounting holes to securely fasten the oscillating base to any other platform that is being used. The mounting bolt that is directly under the shock absorber can be installed after the oscillating base is connected and the oscillating base can be moved slightly **The gear motor on the top of the oscillating base is to the front, the lock down nut and bolt is to the rear.**



**Bottom of
Oscillating Base**



4. Use the 10mm x 20mm hex head bolts, washers, and 10mm lock nuts (L-2) provided with the oscillating base to securely fasten the EASYBIRD Auto-Feed trap to the oscillating base. Bolts should be inserted from underneath with the washers and nuts on top as shown. The mounting bolt that is directly over the shock absorber can be installed after the oscillating base is connected and the oscillating base can be moved slightly.



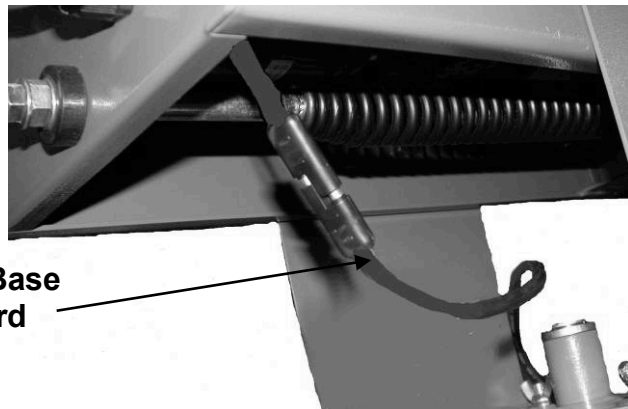
4. Battery and Power Connection

1. EASYBIRD 6-Packer Trap



WARNING! MAKE SURE THE OSCILLATING BASE “ON-OFF-JOG” SWITCH ON THE BACK OF THE 6-PACKER IS SET TO THE “OFF” POSITION AND THE TRAP “ON-OFF-SAFE RELEASE” SWITCH ON THE BACK OF THE 6-PACKER IS SET TO THE “OFF” POSITION BEFORE CONNECTING THE OSCILLATING BASE POWER CORD.

1. Unplug the power switch / battery clips cord from the oscillating base power cord, if they are included, and save this cord for future use.
2. Plug the oscillating base power cord directly into the matching connector on the bottom rear of the 6-Packer trap.



WARNING! MAKE SURE THAT THE “ON-OFF-SAFE RELEASE” SWITCH IS SET TO THE “OFF” POSITION BEFORE CONNECTING POWER TO THE TRAP.

3. Connect the red battery lead to the positive (+) terminal and the black battery lead to the negative (-) terminal of an adequately charged deep cycle 12V battery.



2. EASYBIRD Auto-Feed Trap



WARNING! MAKE SURE THE OSCILLATING BASE “ON-OFF” SWITCH ON OSCILLATING BASE POWER CORD IS SET TO THE “OFF” POSITION BEFORE CONNECTING POWER TO THE OSCILLATING BASE.

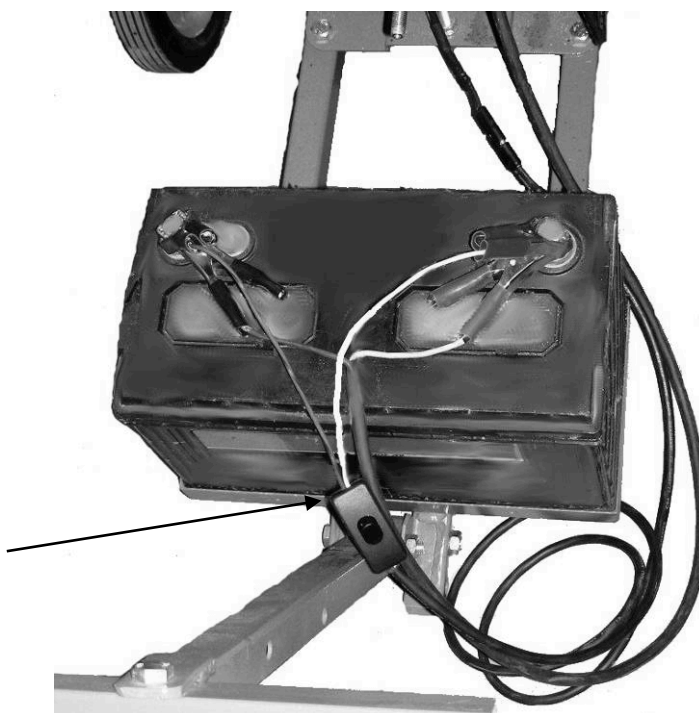
1. Connect the oscillating base power cord to the battery first. Connect the red battery lead to the positive (+) terminal and the black battery lead to the negative (-) terminal of an adequately charged deep cycle 12V battery.



WARNING! MAKE SURE THAT THE “ON-OFF-SAFE RELEASE” SWITCH IS SET TO THE “OFF” POSITION BEFORE CONNECTING POWER TO THE TRAP.

2. Connect the EASYBIRD Auto-Feed trap to the battery second. Connect the red battery lead to the positive (+) terminal and the black battery lead to the negative (-) terminal.

Oscillating Base
Power Cord



IV. Oscillating Base Operation



WARNING! DO NOT STAND IN FRONT OF TRAP OR IN THE PATH OF THE THROWING ARM! SERIOUS INJURY OR DEATH MAY RESULT!

1. Make sure that the ON/OFF/SAFE RELEASE switch (FIGURE 1) for the EASYBIRD 6-Packer and EASYBIRD Auto-Feed is in the “OFF” position. If using the EASYBIRD 6-Packer make sure the ON/OFF/JOG switch for the Oscillating Base (FIGURE 4) is in the “OFF” position. If using the EASYBIRD Auto-Feed make sure the ON/OFF switch on the oscillating base power cord is in the “OFF” position.
2. Ensure that there is an adequately charged 12VDC battery connected and that the remote release cord is safely away from the trap.
3. **Make sure that the lock down nut that locks the oscillating base in a fixed position is loose (See Page 5.),** allowing free movement of the base while under electrical power.
4. The EASYBIRD 6-Packer or EASYBIRD Auto-Feed can now be switched ON and used to throw targets.
5. To start the trap oscillating: If using the EASYBIRD 6-Packer, turn the ON/OFF/JOG switch for the Oscillating Base to the “ON” position. If using the EASYBIRD Auto-Feed, turn the ON/OFF switch on the oscillating base power cord to the “ON” position.
6. To rotate and lock the trap to a specific position: If using the EASYBIRD 6-Packer, hold the ON/OFF/JOG switch for the oscillating base to the “JOG” position and release the switch when the trap rotates to the position desired. If using the EASYBIRD Auto-Feed, turn the ON/OFF switch on the oscillating base power cord to the “ON” position and turn “OFF” when the trap rotates to the position desired. Tighten the lock down nut (See Page 5.) to lock the base in position and prevent drifting when firing the trap.

FIGURE 4
Oscillating Base
ON/OFF/JOG
Switch
Easybird 6-Packer



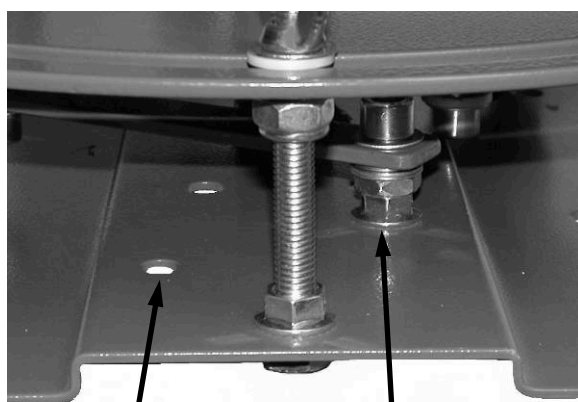
WARNING! IF THERE IS A TARGET ON THE THROWING ARM, SAFE RELEASING THE THROWING ARM WILL THROW THE TARGET. DO NOT STAND IN FRONT OF THE TRAP.

7. When reloading the trap, first turn off the oscillating base. Move the ON/OFF/SAFE RELEASE switch on the EASYBIRD 6-Packer or the EASYBIRD Auto-Feed Trap to the “SAFE RELEASE” position momentarily to uncock the throwing arm and allow it to return to the ‘OFF’ position to turn power to the Trap off. The trap magazine can then be safely reloaded with targets from the rear of the trap.

CAUTION! Be sure to loosen the lock down nut that locks the base in a fixed position (See Page 5.) prior to turning on the oscillating base. Failure to do so will cause belt damage or the circuit breaker to trip.

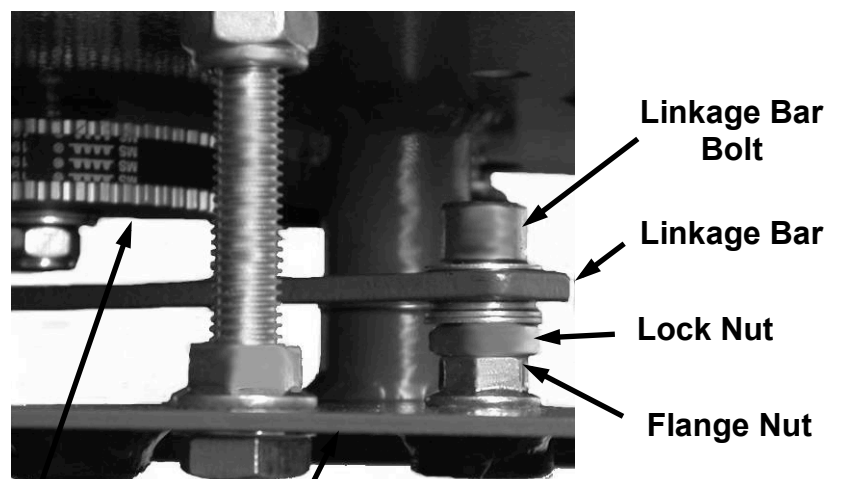
V. Angle Adjustment

1. The oscillating base comes factory set to oscillate at 45 degrees total angle. The oscillating angle can be adjusted to 34 degrees of total angle (2 hole ATA equivalent) by moving the linkage bar to the optional 34 degree oscillation hole.
2. To help in moving linkage, remove drive belt by slipping it down and off the large pulley.
3. Loosen lock nut by turning counter clockwise until it touches bottom of linkage bar.
4. Loosen top flange nut by turning counterclockwise until it touches bottom of lock nut.
5. Turn linkage bar bolt counter clockwise with a pliers or short arm hex wrench until linkage bar bolt clears bottom plate of oscillating base.
6. Slide linkage bar bolt to the optional 34 degree hole.
7. Turn linkage bar bolt clockwise into bottom plate tapped hole until flange nut touches bottom plate, then turn linkage bolt counter clockwise 1 turn.
8. Tighten top flange nut by turning clockwise until tight against bottom plate (hold linkage bar bolt to prevent from turning).
9. Tighten lock nut by turning clockwise until tight against flange nut.
10. Attach drive belt by sliding it up and onto large pulley.



34 Degree Hole

45 Degree Hole Factory Setting



Drive Belt

Bottom Plate

Linkage Bar Bolt

Linkage Bar

Lock Nut

Flange Nut

VI. Troubleshooting

I. THE MOTOR DOES NOT RUN

1. The “ON-OFF” switch on the Oscillating Base is in the “OFF” position.
2. The circuit breaker is tripped - determine cause before resetting.
3. Battery is inadequately charged - recharge battery.
4. Electrical connections are loose or damaged.
5. The motor is burned out.
6. The base is blocked from rotating, or the lock down nut is tight.

II. THE MOTOR RUNS, BUT THE BASE DOES NOT OSCILLATE

1. The drive linkage bar is disconnected or the linkage bar mounting bolt is broken – check and replace as necessary.
2. Drive belt is loose, broken, or the gear motor mounting bolts are loose – Retighten mounting bolts or replace drive belt.

VII. Maintenance



WARNING: BEFORE PERFORMING ANY MAINTENANCE ON ANY EASYBIRD TRAPS MAKE SURE THAT THE THROWING ARM IS IN THE UNCOCKED POSITION (SEE FIGURE 3), THE ON/OFF/SAFE RELEASE SWITCH IS IN THE “OFF” POSITION AND THE BATTERY HAS BEEN DISCONNECTED.

Preventive Maintenance Action	Frequency
Remove dust, dirt, and target debris with soft brush	Before every use
Check mounting bolts to insure they remain tight	Every month or 8,000 cycles
Lubricate moving parts with a good quality Teflon based lubricating oil such as OUTERS Tri-Lube	Every month or 8,000 cycles
Disconnect Battery	After Every use
Check condition of oscillating base drive belt	Every month or 8,000 cycles

VIII. Recommended Spare Parts

QTY	PART NO.	DESCRIPTION	LOCATION
1	45311	Oscillating Base Drive Belt	Page 5, L-5

ORDERING PARTS

Parts can be ordered through the Champion Traps & Targets Customer Service Dept. at (800) 379-1732.

Prices are subject to change without notification. Minimum order value of \$10.00



Warranty Card

(Please fill out completely & return with a copy of the receipt)

Owner's Name: _____

Owner's Signature: _____

Address: _____ Ph #: _____

City: _____ State: _____ Zip: _____

Date of Purchase: _____

Business Where Easybird Oscillator Was Purchased: _____

WARRANTY CERTIFICATE

Congratulations on the purchase of your new **CHAMPION EASYBIRD OSCILLATING BASE**. Your new **EASYBIRD OSCILLATING BASE** is warranted to be free from defects in material or workmanship for a period of six (6) months from the date of purchase. This warranty is extended only to the original consumer purchaser. Should you believe that your **CHAMPION EASYBIRD OSCILLATING BASE** is defective in material or workmanship, you should contact the **CHAMPION TRAPS AND TARGETS** Customer Service Department via phone at 800-379-1732. In the event a warranty repair is required, all parts will be provided at no charge. **THIS WARRANTY DOES NOT COVER DEFECTS OR DAMAGE RESULTING FROM: CARELESSNESS, MISUSE, IMPROPER INSTALLATION, MODIFICATION, OR NORMAL WEAR AND TEAR.**

IN ORDER FOR THIS WARRANTY TO BE IN EFFECT, YOU MUST FILL OUT THIS WARRANTY CERTIFICATE AND RETURN IT TO CHAMPION TRAPS AND TARGETS WITHIN 30 DAYS OF PURCHASE. THE WARRANTY CERTIFICATE MUST BE FILLED OUT COMPLETELY AND SIGNED BY THE OWNER IN ORDER TO BE VALID. WARRANTY SERVICES CANNOT BE PROVIDED WITHOUT MEETING THE ABOVE REQUIREMENT. Retain a copy of this warranty certificate for future reference. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY.

CHAMPION TRAPS AND TARGETS IS NOT LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT AND UNDER NO CIRCUMSTANCES SHALL **CHAMPION TRAPS AND TARGETS** BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES. HOWEVER, SOME STATES DO NOT ALLOW LIMITATIONS ON INCIDENTAL, OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

The above warranty provides the sole and exclusive warranty available to the customer in the event of a defect in material or workmanship in the **CHAMPION EASYBIRD OSCILLATING BASE**. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

CHAMPION TRAPS AND TARGETS

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MADE IN CHINA

PRINTED IN CHINA

02/17/16