



72-105 CORPORATE WAY, P.O. BOX 970, THOUSAND PALMS, CA 92276

RANGE MATE® NO WHEEL BALL PICKER

“FINER QUALITY FOR BETTER GOLF”

MANUAL SERVICE & USAGE

IMPORTANT!

**PLEASE READ COMPLETE MANUAL PRIOR TO
ASSEMBLY & OPERATION!**

PHONE: (760) 343-1050

PHONE: (800) 443-4350

FAX: (760) 343-2834

CUSTOMER _____

ACCOUNT # _____

MODEL # _____

DATE OF PURCHASE _____

\$12.00

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IMPORTANT!
PLEASE READ COMPLETE MANUAL PRIOR TO
ASSEMBLY AND OPERATION!

A - INTRODUCTION

CONGRATULATIONS ON YOUR NEW RANGE MATE® BALL PICKER MANUFACTURED BY WESTERN GOLF, INC.

AT WESTERN GOLF, WE BELIEVE THAT NO ONE BALL PICKER CAN FIT ALL TYPES OF RANGES.

THIS IS WHY WE OFFER THREE BALL PICKER FRAME DESIGNS WHICH HAVE BEEN CONFIGURED TO FIT YOUR TYPE OF RANGE. OUR NO WHEEL BALL PICKER IS FOR LEVEL RANGES WITH A GOOD TURF SURFACE. THE WHEEL BALL PICKER OFFERS STABILITY FOR RUTTED RANGES WITH STEEP SIDES. FINALLY, OUR HILLY TERRAIN BALL PICKER IS FOR RANGES WITH MINIMAL TURF, DEEPLY RUTTED AND UNDULATING SURFACES.

YOU ALSO HAVE THE CHOICE OF TWO TYPES OF DISCS: THE DURABLE NYLON DISCS WHICH ARE IDEAL FOR MOST RANGES AND THE ATD DISCS WHICH WESTERN GOLF, INC. DESIGNED SPECIFICALLY FOR ROUGH, ROCKY, AND STEEPLY GRADED RANGES.

BECAUSE OF OUR BELIEF THAT NO ONE BALL PICKER FITS ALL RANGES, OUR PERSONNEL ARE TRAINED TO INQUIRE ABOUT THE CHARACTERISTICS OF YOUR RANGE AND ITS SURFACE.

THE INFORMATION WE RECEIVED FROM YOU WILL HELP ENSURE THAT YOU PURCHASE THE CORRECT BALL PICKER FOR YOUR RANGE.

I - UNPACKING AND INSPECTION

YOUR BALL PICKER IS SHIPPED PACKAGED IN A CARDBOARD GAYLORD BOX ATTACHED TO A PALLET, SHRINK WRAPPED AND STRAPPED DOWN.

- CHECK THE PACKAGING AND LOOK FOR ANY OUTWARD SIGNS OF DAMAGE.
- UNPACK AND INSPECT FOR HIDDEN DAMAGE.
- CHECK TO VERIFY ALL MOVING PARTS TURN FREELY.
- CHECK TO VERIFY ALL PARTS ARE INCLUDED IN YOUR SHIPMENT. IF NOT, NOTE THE MISSING PARTS ON THE FREIGHT CARRIERS BILL OF LADING AND CONTACT FREIGHT CARRIER IMMEDIATELY.

YOU ARE RESPONSIBLE FOR FILING ANY CLAIMS OF DAMAGE AGAINST THE FREIGHT CARRIER!

AVAILABLE NO WHEEL BALL PICKERS

WGRM3S-2	3 SECTION NYLON DISC
WGRA3S-2	3 SECTION ATD DISC
WGRM5S-2	5 SECTION NYLON DISC
WGRA5S-2	5 SECTION ATD DISC
WGRM7S-2	7 SECTION NYLON DISC
WGRA7S-2	7 SECTION ATD DISC

PACKING LIST

3 SECTION NO WHEEL BALL PICKER

<u>QTY.</u>	<u>ITEM</u>
1	MAINFRAME
3	ELBOWS (WITH COLLARS ATTACHED)
1	PUSH BAR (WITH MOUNT BAR ATTACHED)
4	PUSH BAR PINS (ATTACHED)
3	DRUM SECTIONS (ASSEMBLED)
6	SPLIT BASKETS

5 SECTION NO WHEEL BALL PICKER

ALL OF THE ABOVE PLUS:

<u>QTY.</u>	<u>ITEM</u>
2	OUTRIGGER ARMS (WITH PIN AND COLLAR ATTACHED TO MAIN FRAME)
2	ELBOWS (WITH COLLARS ATTACHED)
2	DRUM SECTIONS (ASSEMBLED)
4	SPLIT BASKETS

7 SECTION NO WHEEL BALL PICKER

ALL OF THE ABOVE PARTS FOR 3 AND 5 SECTION BALL PICKERS
PLUS:

1	7 SECTION LEFT OUTRIGGER ARM (WITH PIN AND COLLAR)
1	7 SECTION RIGHT OUTRIGGER ARM (WITH PIN AND COLLAR)
2	ELBOWS (WITH COLLARS)
2	DRUM SECTIONS (ASSEMBLED)
4	SPLIT BASKETS

OPTIONS

- CART BRACKET: SPECIFY YEAR, MAKE AND MODEL OF VEHICLE.
- TOP COVERS FOR SPLIT BASKETS (1 PER BASKET)
- NYLON DISC
- ATD DISC

IF ANY PARTS ARE MISSING, NOTE THIS IS ON THE TRUCK COMPANIES BILL OF LADING AND PLEASE CONTACT WESTERN GOLF, INC. IMMEDIATELY AT 1 (800) 443-4350 OR (760) 343-1050.

ASSEMBLY AND INSTALLATION

TOOLS REQUIRED:

- 7/16" OPEN END WRENCH
- PLIERS

ASSEMBLY 3 SECTION NO WHEEL BALL PICKER

1. SELECT A LEVEL AREA WITH SUFFICIENT SPACE TO LAYOUT ALL PARTS.
2. REVIEW EXPLODED VIEW ON PAGE 8.
3. PLACE MAIN FRAME IN CENTER OF ASSEMBLY AREA.
4. PLACE THE THREE DRUM SECTIONS AT EACH CORNER OF THE MAIN FRAME (DRUM SECTIONS SHIPPED ASSEMBLED).
5. REMOVE COLLARS FROM ELBOWS.
6. INSERT ELBOWS (SHORT END) INTO FRAME PILLOW BLOCK (SEE PAGE 8) AND SECURE WITH COLLARS.
7. SLIP ELBOWS INTO MAIN FRAME AND SECURE WITH COLLARS.
8. ATTACH PUSH BAR TO MAIN FRAME USING PUSH BAR PINS (MOUNT BAR IS SHIPPED ATTACHED TO PUSH BAR).
9. PLACE BASKETS INTO DRUM SECTION FRAMES.

YOUR BALL PICKER IS NOW READY TO ATTACH TO YOUR PUSH VEHICLE!!

ASSEMBLY 5 SECTION NO WHEEL BALL PICKER

FOLLOW THE ABOVE INSTRUCTIONS (1-9) FOR THE 3 SECTION BALL PICKER:

10. PLACE THE ADDITIONAL TWO SECTIONS AT EACH END OF THE ASSEMBLED BALL PICKER.
11. ATTACH THE TWO OUTRIGGER ARMS TO MAIN FRAME USING THE 12" EXTENSION PINS WHICH ARE SHIPPED MOUNTED ON THE MAIN FRAME.
12. REMOVE COLLARS FROM ELBOWS.
13. INSERT ELBOWS (SHORT END) INTO FRAME PILLOW BLOCK (SEE PAGE 8).
14. SECURE ELBOWS USING COLLARS.
15. PLACE DRUM SECTIONS DIRECTLY UNDER OUTRIGGER ARMS.
16. INSERT ELBOWS INTO OUTRIGGER ARM AND SECURE WITH COLLARS.

YOUR BALL PICKER IS NOW READY TO ATTACH TO YOUR VEHICLE!!

ASSEMBLY 7 SECTION NO WHEEL BALL PICKER

FOLLOW ABOVE INSTRUCTIONS (1-9) AND (10-16).

NOTE:

THE SEVEN SECTION OUTRIGGER ARMS ARE DIFFERENT FROM THE FIVE SECTION OUTRIGGER ARMS (SEE PAGE 23).

17. PLACE THE ADDITIONAL TWO SECTIONS AT EACH END OF THE ASSEMBLED BALL PICKER.
18. LAYOUT OUTRIGGER ARMS (2-FIVE SECTION AND 2 SEVEN SECTION).

ASSEMBLY 7 SECTION NO WHEEL BALL PICKER - CONTINUED

19. TWO ARMS WILL HAVE ATTACHMENT BRACKETS WITH AN EXTENSION ARM TO ACCOMMODATE THE OUTSIDE SECTIONS OUTRIGGER ARMS*.
20. ATTACH THESE OUTRIGGER ARMS (W/EXTENSIONS) ONTO THE MAIN FRAME.
21. ATTACH THE DRUM SECTIONS TO THE OUTRIGGER ARMS BY INSERTING ELBOWS INTO THE OUTRIGGER ARMS AND SECURING WITH COLLARS.
22. ATTACH THE SECOND SET OF OUTRIGGER ARMS TO THE PROTRUDING BRACKET OF THE INSTALLED OUTRIGGER ARMS USING THE 12" EXTENSION PINS.
23. SECURE THE 12" EXTENSION PINS WITH COLLARS.
24. REMOVE COLLARS FROM ELBOWS.
25. ATTACH ELBOWS TO DRUM SECTIONS.
26. SECURE WITH COLLARS.
27. PLACE DRUM SECTIONS DIRECTLY UNDER OUTRIGGER ARMS.
28. INSERT ELBOWS INTO OUTRIGGER ARMS AND SECURE WITH COLLARS.

YOUR BALL PICKER IS NOW READY TO ATTACH TO YOUR VEHICLE!

- * **IF YOU ARE ADDING 2 SECTIONS TO AN EXISTING 5 SECTION BALL PICKER YOU MUST REMOVE THE OUTRIGGER ARMS AND REPLACE WITH 7 SECTION OUTRIGGER ARMS. MOVE THE 5 SECTION OUTRIGGER ARMS TO THE OUTSIDE DRUM SECTION POSITION.**

FRAME ASSEMBLY OVER VIEW
NO WHEEL BALL PICKER

VEHICLE ATTACHMENT

CART MOUNTING BRACKETS - ALL PICKERS



**EZ GO BRACKET
BRACKET**
WGWP20 (4 Bolt)
WGWP20A (3 Bolt)
(specify year & model)
24 lbs.



CLUB CAR BRACKET

WGWP23
26 lbs.



YAMAHA CAR*

WGWP24

ADAPTER BRACKET
22 lbs.



UNIVERSAL

WGWP27
22 lbs.

IN ORDER TO ATTACH YOUR NEW BALL PICKER TO YOUR VEHICLE YOU WILL NEED A CART MOUNTING BRACKET. YOU MAY ALREADY HAVE AN ACCEPTABLE BRACKET, IF SO, SIMPLY ATTACH YOUR BALL PICKER TO YOUR VEHICLE. **KEEP IN MIND THAT THE PUSH BAR ON YOUR BALL PICKER MUST BE LEVEL TO THE GROUND! BE SURE PUSH BAR CAN SWIVEL ONCE ATTACHED TO THE CART BRACKET.**

IF YOU DO NOT HAVE AN ACCEPTABLE BRACKET CONTACT WESTERN GOLF, INC. AT 1 (800) 443-4350 AND SPECIFY THE MAKE, MODEL, AND YEAR OF THE VEHICLE YOU INTEND TO PUSH YOUR BALL PICKER.

THE CART MOUNTING BRACKETS BOLT ONTO YOUR VEHICLE USING EXISTING FRAME BOLT PATTERNS. FOR UNCONVENTIONAL VEHICLES WE OFFER A UNIVERSAL BRACKET WHICH CAN BE ADAPTED TO YOUR VEHICLE.

*YAMAHA AVAILABLE:

WGWP24-A (FOR A-FRAME)
WGWP24G (G11 AND G16 SERIES)

OPERATION AND USE

YOUR RANGE MATE® NO WHEEL BALL PICKER HAS BEEN DESIGNED TO BE PUSHED. EACH SECTION MOVES INDEPENDENT OF THE OTHER SECTIONS ALLOWING FOR BETTER MANEUVERABILITY AND BETTER BALL RETRIEVAL. IT IS A LIGHT WEIGHT BALL PICKER SUITED FOR WET RANGES AND DESIGNED TO LESSEN DAMAGE TO YOUR TURF. BY ELIMINATING THE FRONT WHEEL WE HAVE ELIMINATED COSTLY REPAIRS AND MAINTENANCE.

VEHICLE

THERE ARE NUMEROUS VEHICLES AVAILABLE TO PUSH YOUR RANGE BALL PICKER. SOME IMPORTANT CONSIDERATIONS WHEN SELECTING A VEHICLE ARE:

- CONTOUR OF RANGE
- LOADED WEIGHT OF BALL PICKER
- VERSATILITY
- GAS OR ELECTRIC

BE SURE TO CHECK WITH THE VEHICLE MANUFACTURER TO PROPERLY SELECT THE RIGHT VEHICLE.

PICKING YOUR RANGE

- DO NOT EXCEED **8 MPH** WHEN PICKING YOUR RANGE.
- DO NOT CHASE BALLS! USE A SYSTEMATIC PATTERN WHEN PICKING, SIMILAR TO CUTTING YOUR GRASS.
- DO NOT BACK UP YOUR BALL PICKER! IT WILL CAUSE THE RANGE BALLS TO PUSH AGAINST THE BALL COMBS AND BEND THEM.

OPERATION AND USE

PICKING YOUR RANGE – CONTINUED

- PICK OFTEN TO AVOID A HEAVY CLUSTER OF BALLS IN ONE AREA. HEAVY CLUSTERS OF BALLS WILL OVERLOAD THE DRUM SECTIONS AND BIND THE DRUM SECTION SO IT WILL NOT ROTATE. BALLS MUST THEN BE MANUALLY REMOVED FROM BETWEEN DISCS.
- CONSIDER WEATHER CONDITIONS PRIOR TO PICKING, VEHICLES CAN AND DO SLIDE IN WET OR RAINY CONDITIONS.
- PICKING BALLS IN MUDDY CONDITIONS DAMAGES YOUR TURF AND BURIES RANGE BALLS!
- DISC ARE MADE OF A SOFT POLYMER MATERIAL AND **SHOULD NOT** BE DRIVEN ON HARD OR COARSE SURFACES. PREMATURE WEAR AND/OR FAILURE WILL RESULT FROM THESE TYPES OF SURFACES.

MAINTENANCE

- CHECK ALL NUTS AND BOLTS AT LEAST ONCE A WEEK (WESTERN GOLF, INC. USES NYLON NUTS TO ENSURE THAT NUTS DO NOT LOOSEN).
- BALL COMBS (SEE PAGE 25) SHOULD BE CHECKED PRIOR TO PICKING. BENT BALL COMBS CAN RESULT IN MARKED BALLS OR MISSED BALLS WHEN PICKING. A SIMPLE REALIGNMENT USING A POLE FOR LEVERAGE WILL BEND THE COMBS BACK AND ENSURE THAT THE BALL COMBS REMAIN PROPERLY ALIGNED. SPACING BETWEEN DISCS IS VERY IMPORTANT AND COMBS SHOULD BE CENTERED BETWEEN DISC.
- WASH OFF ALL EXCESSIVE DIRT, MUD, AND GRASS.
- PLACE ON A PREVENTIVE MAINTENANCE SCHEDULE.

OFF SEASON STORAGE

WESTERN GOLF, INC. GOLD IRRIDITE PLATES ALL OF THEIR BALL PICKER FRAMES AND ZINC PLATES THE BALL COMBS AND AXLES. THESE COATINGS ARE THE BEST INHIBITORS FOR RUST AND CORROSION.

HOWEVER, IN AREAS OF EXTREME WEATHER WE RECOMMEND THAT YOUR BALL PICKER BE DISASSEMBLED AND STORED IN AN ENCLOSED OR COVERED AREA.

REMOVAL FROM STORAGE

- CHECK BALL COMBS FOR ALIGNMENT, ALIGN IF NECESSARY.
- CHECK DISC DRUMS (SEE DISC MAINTENANCE, PAGE 14).
- RE-ASSEMBLE (SEE PAGE 5).

DISC MAINTENANCE AND REPLACEMENT

THE MOST IMPORTANT ELEMENT OF YOUR BALL PICKER IS THE DISC DRUM SECTION. BY PERFORMING A QUICK VISUAL CHECK EACH TIME YOU USE YOUR BALL PICKER YOU CAN EXTEND THE LIFE OF THE DISCS AND MAINTAIN EFFICIENT PICKING PERFORMANCE!

- ALWAYS LOOK FOR BROKEN OR DAMAGED DISCS AND REPLACE IF NECESSARY.
- MANUALLY CHECK THE ADJUSTMENT OF YOUR DISCS BY PUSHING A GOLF BALL BETWEEN THE DISCS. THE DISCS SHOULD BE TIGHT ENOUGH TO OFFER RESISTANCE WHEN THE GOLF BALL IS INSERTED BETWEEN THE DISCS. IF THE BALL DOES NOT SNAP INTO THE DISCS YOU MUST TIGHTEN THE DRUM SECTION.
- VISUALLY CHECK THE ALIGNMENT OF THE COMBS INTO THE DRUM TO ENSURE THAT THE COMBS ARE NOT HITTING THE DISC.
- THE AXLE BRACKETS ARE ADJUSTABLE TO HELP MAINTAIN PROPER DRUM SECTION SPACING AND ALIGNMENT.

DISC ADJUSTMENT/ATD

TOOLS REQUIRED

- 3/8" OPEN END WRENCH
- 3/8" BOX WRENCH
- RATCHET WRENCH WITH 1/2" SOCKET

1. REMOVE BASKETS
2. TO ADJUST YOUR DISCS FOR PROPER TENSION YOU MUST LOOSEN THE ADJUSTABLE AXLE BRACKETS LOCATED ON THE FRAME USING THE 3/8" WRENCHES (SEE PAGE 25).

DISC ADJUSTMENT/ATD - CONTINUED

3. NEXT, WITH THE HELP FROM A SECOND PERSON, COMPRESS THE DISCS AND HOLD THEM TOGETHER. PUSH THE ADJUSTABLE AXLE BRACKET, WHICH THE AXLE IS BOLTED TO, INWARD AND TIGHTEN.
4. PUSH THE OPPOSITE ADJUSTABLE AXLE BRACKET INWARD AND TIGHTEN.
5. CHECK THE DISC FOR PROPER TENSION BY INSERTING A GOLF BALL BETWEEN THE DISCS. IF THE BALL SNAPS INTO THE DISCS THE ADJUSTMENT IS COMPLETE. IF THE BALL DOES NOT SNAP INTO PLACE REPEAT ABOVE PROCEDURE.
6. REPEAT ABOVE PROCEDURES ON EACH DRUM SECTION.
7. ALIGN BALL COMBS SO THAT THEY ARE CENTERED BETWEEN DISCS. USING THE RATCHET WRENCH AND ½" SOCKET LOOSEN THE CARRIAGE BOLTS THAT SECURE THE BALL COMBS TO THE FRAME AND ALIGN.
8. TIGHTEN CARRIAGE BOLTS AFTER ALIGNMENT AND REPLACE BASKETS.

DISC ADJUSTMENT/NYLON

TOOLS REQUIRED

- 5/16" BOX END WRENCH
- PLIERS
- RATCHET WRENCH WITH ½" SOCKET

1. REMOVE BASKETS
2. THE NYLON DISCS ARE HELD TOGETHER WITH 4 TIE RODS (5/16" X 36-5/16") AND 8 NYLOC NUTS.

DISC ADJUSTMENT/NYLON – CONTINUED

3. THE NYLOC NUTS AT ONE END OF THE TIE RODS HAVE BEEN CRIMPED TO SECURE THE NUT IN PLACE ON THE TIE ROD.

4. LOCATE THE CRIMPED NUTS AND HOLD WITH A PAIR OF PLIERS.
5. USING A 5/16" BOX END WRENCH, TIGHTEN THE OPPOSITE NUT. **DO NOT OVER TIGHTEN!!!**
6. TIGHTEN ALL FOUR NUTS IN A CLOCKWISE DIRECTION WITH EQUAL TURNS.
7. CHECK DISC TENSION BY INSERTING A GOLF BALL BETWEEN THE DISCS, THE BALL SHOULD SNAP INTO PLACE.
8. REPEAT UNTIL PROPER TENSION IS ACHIEVED.
9. ALIGN BALL COMBS SO THAT THEY ARE CENTERED BETWEEN DISCS BY LOOSENING THE CARRIAGE BOLTS WITH A RATCHET WRENCH USING A ½" SOCKET.
10. TIGHTEN CARRIAGE BOLTS AFTER ALIGNMENT AND REPLACE BASKETS.

DISC REPLACEMENT/ATD

TOOLS REQUIRED

- 3/8" OPEN END WRENCH
- 3/8" BOX END WRENCH
- RATCHET WRENCH WITH ½" SOCKET

THE ATD DISCS WERE DESIGNED SPECIFICALLY FOR ROUGH RANGES WITH COARSE TERRAIN. BECAUSE OF THIS THE ATD DISCS SHOULD OUTLAST THE ABS AND NYLON DISCS THAT YOU WERE PREVIOUSLY USING BY TWO TO THREE TIMES.

WHEN REPLACEMENT IS REQUIRED:

1. REMOVE BASKETS
2. UNBOLT AXLE ADJUSTMENT BRACKETS (3/8" X 2-1/2" BOLT AND 3/8" NUT).
3. PROP UP THE FRAME SO THAT THE FRAME IS SUSPENDED OFF OF THE GROUND.
4. THE AXLE AND DISC WILL REMAIN ON THE GROUND INTACT, MOVE TO AN ACCESSIBLE WORK AREA.
5. KEEP AXLE IN PLACE AND REMOVE DISCS ONE AT A TIME (KEEP DISCS IN THE ORDER THAT THEY ARE REMOVED) UNTIL YOU REACH THE DAMAGED DISC.
6. REPLACE DAMAGED DISC WITH A NEW DISC AND RETURN USED DISC IN THE ORDER YOU REMOVED THE DISCS FROM THE AXLE.
7. PLACE COMPLETE DRUM SECTION BENEATH FRAME, LOWER FRAME AND BOLT AXLE ADJUSTMENT BRACKET TO FRAME.
8. USE DISC ADJUSTMENT BRACKETS TO OBTAIN PROPER DISC TENSION (SEE DISC ADJUSTMENT PROCEDURE ON PAGE 17).
9. REPEAT AS REQUIRED ON EACH DRUM SECTION.
10. ALIGN BALL COMBS TO THAT THEY ARE CENTERED BETWEEN DISCS USING THE RATCHET WRENCH AND 1/2" SOCKET TO LOOSEN THE 1/2" BOLTS THAT SECURE THE BALL COMBS TO THE FRAME.
11. TIGHTEN CARRIAGE BOLTS AFTER ALIGNMENT AND REPLACE BASKETS.

NOTE: END DISC MUST BE REVERSED SO THAT KNOBS ON THE DISC FACE INWARD.

DISC REPLACEMENT/NYLON

TOOLS REQUIRED

- 5/16" BOX END WRENCH
- 3/8" OPEN END WRENCH
- 3/8" BOX END WRENCH
- PLIERS
- RATCHET WRENCH WITH A 1/2" SOCKET

1. REMOVE BASKET FROM FRAME
2. REMOVE DRUM SECTION FROM FRAME BY UNBOLTING THE FRAME ADJUSTMENT BRACKET USING 3/8" WRENCHES.
3. PLACE DRUM ON A WAIST HIGH WORK BENCH OR OTHER SURFACE.
4. THE NYLON DISCS ARE HELD TOGETHER WITH 4 TIE RODS (5/16" X 36-5/16") AND 8 NYLOC NUTS.
5. THE NYLOC NUTS AT ONE END OF THE TIE RODS HAVE BEEN CRIMPED TO SECURE THE NUT IN PLACE ON THE TIE ROD.
6. LOCATE THE CRIMPED NUTS AND HOLD WITH A PAIR OF PLIERS.
7. USING A 5/16" BOX END WRENCH REMOVE THE NUTS FROM THE TIE RODS.
8. AT THIS POINT TAKE TIME TO INSPECT THE COMPLETE SECTION OF DISCS.
9. THE DISCS HAVE BEEN DESIGNED WITH TWO TYPES OF END DISCS. ONE END DISC HAS 1/2" NOTCHES WHICH FIT ONTO CORRESPONDING SPACERS, THE OTHER HAS SPACERS ONLY.

DISC REPLACEMENT/NYLON - CONTINUED

10. DETERMINE WHICH END DISC YOU HAVE FOR EASE OF REASSEMBLY.

11. REMOVE ONE DISC AT A TIME AND KEEP THEM IN ORDER OF REMOVAL.
12. ONCE YOU HAVE REMOVED AND REPLACED THE DAMAGED DISC REINSTALL DISCS IN THE ORDER YOU REMOVED THE DISCS.
13. TIGHTEN THE NYLOC NUTS ONTO THE TIE RODS. BE SURE **YOU** HAVE PLACED THE PROPER END DISC ON THE DRUM SECTION!! **THERE SHOULD BE NO PROTRUDING ENDS!!**
14. TIGHTEN ALL FOUR NUTS IN A CLOCKWISE DIRECTION WITH EQUAL TURNS.
15. CHECK DISC TENSION BY INSERTING A GOLF BALL BETWEEN THE DISCS, THE BALL SHOULD SNAP INTO PLACE.
16. REPEAT UNTIL PROPER TENSION IS ACHIEVED.
17. REINSTALL REPAIRED DRUM SECTION ONTO FRAME.
18. ALIGN BALL COMBS SO THAT THEY ARE CENTERED BETWEEN DISCS USING THE RATCHET WRENCH AND ½" SOCKET TO LOOSEN THE ½" CARRIAGE BOLTS THAT SECURE THE BALL COMBS TO THE FRAME.
19. TIGHTEN CARRIAGE BOLTS.
20. REPLACE BASKETS.

REPAIRS & REPLACEMENT PARTS

STANDARD HARDWARE IS USED ON ALL WESTERN GOLF, INC. BALL PICKERS AND IS AVAILABLE AT LOCAL HARDWARE STORES. PLEASE REFER TO THE TECHNICAL SECTION (PAGES 23-31) OF THIS MANUAL FOR INDIVIDUAL SPECIFICATIONS.

WESTERN GOLF, INC. DOES KEEP AN INVENTORY OF REPLACEMENT PARTS AND IN CASES OF IMMEDIATE NEED FOR PARTS WE DO OFFER SEVERAL NEXT DAY DELIVERY SERVICES. KEEP IN MIND THAT A PREMIUM IS CHARGED BY THE CARRIER FOR NEXT DAY OR OTHER IMMEDIATE DELIVERIES.

ALWAYS STATE THE MODEL OF THE BALL PICKER YOU ARE REQUESTING PARTS FOR AND REFER TO THE TECHNICAL SECTION FOR PROPER PART NUMBERS.

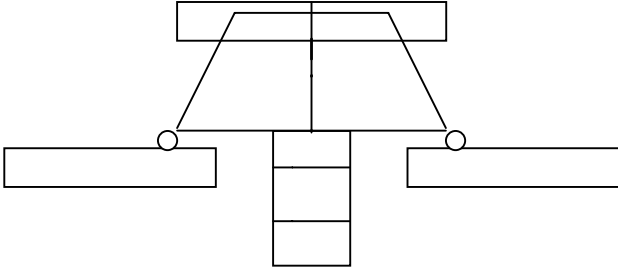
OUR CUSTOMER SERVICE REPRESENTATIVES CAN ASSIST YOU IN IDENTIFYING THE TYPE OF BALL PICKER YOU HAVE PURCHASED.

ALL WESTERN GOLF, INC. PRODUCTS HAVE BEEN DESIGNED SO THAT PERSONS WITH REASONABLE MAINTENANCE SKILLS CAN ACCOMPLISH ASSEMBLY AND REPAIRS.

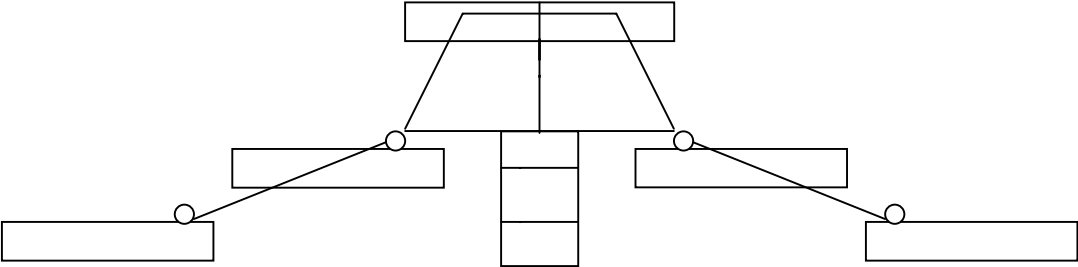
WHEN WORKING WITH ANY MACHINERY, FUNDAMENTAL SAFETY RULES AND FUNDAMENTAL OPERATIONS SHOULD BE FOLLOWED.

RANGE MATE® NO WHEEL BALL PICKER

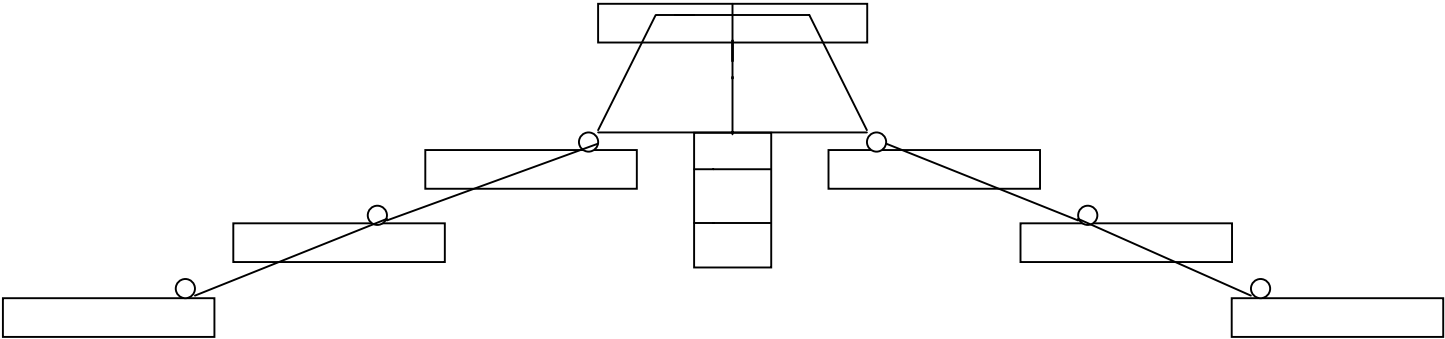
DIAGRAM AND SPECIFICATION CHART



WGRM3S-2 3 SECTION WHEEL W/NYLON DISC
WGRA3S-2 3 SECTION WHEEL W/ATD DISC



WGRM5S-2 5 SECTION WHEEL W/NYLON DISC
WGRA5S-2 5 SECTION WHEEL W/ATD DISC



WGRM7S-2 7 SECTION WHEEL W/NYLON
WGRA7S-2 7 SECTION WHEEL W/ATD DISC

RANGE MATE® NO WHEEL BALL PICKER

SPECIFICATIONS

PART #	OVERALL WIDTH	BALL CAPACITY	WEIGHT EMPTY	WEIGHT FULL
WGRM3SW-2	9'	1500	320	500
WGRA3SW-2	9'	1500	350	530
WGRM5SW-2	15'	2500	420	720
WGRA5SW-2	15'	2500	450	750
WGRM7SW-2	21'	3500	540	960
WGRA7SW-2	21'	3500	580	1020

RANGE MATE® NO WHEEL BALL PICKER
FRAME ASSEMBLY

RANGE MATE® NO WHEEL BALL PICKER

FRAME ASSEMBLY

PARTS LIST

- | | | |
|----|--------------------|---|
| 1. | WGRM003 | MOUNT BAR* |
| 2. | WGRM009 | PUSH BAR PIN (2 PER MOUNT BAR) |
| 3. | WGRM002 | PUSH BAR |
| 4. | WGRM009 | PUSH BAR PIN WITH COLLARS
(4 PER PUSH BAR) |
| 5. | WGRM010 | OUTRIGGER ARM PIN (1 PER ARM) |
| 6. | WGRM005C | COLLARS** (6 REQUIRED) |
| 7. | WGRM001 | MAIN FRAME |
| 8. | WGRM006
WGRM006 | FIVE SECTION OUTRIGGER ARM (RIGHT)
FIVE SECTION OUTRIGGER ARM (LEFT) |
| 9. | WGRM007
(RIGHT) | SEVEN SECTION OUTRIGGER ARM |
| | WGRM008 | SEVEN SECTION OUTRIGGER ARM (LEFT) |

*MOUNT BAR IS ALWAYS ATTACHED TO THE PUSH BAR WHEN SHIPPED.

**COLLARS ARE USED TO SECURE PUSH BAR PINS AND OUTRIGGER ARM PINS.

NO WHEEL BALL PICKER
DRUM SECTION
SUB-ASSEMBLY
NYLON DISCS

RANGE MATE®

NO WHEEL BALL PICKER

DRUM SECTION SUB-ASSEMBLY

NYLON DISC - PARTS LIST

- | | | |
|-----|-------------------------------------|--|
| 1. | WGRM005C | COLLAR, NUT AND BOLT |
| 2. | WGRM005 | ELBOW |
| 3. | NO PART #
CONNECTION | PILLOW BLOCK FOR ELBOW

(WELDED TO FRAME) |
| 4. | WGRM004 | NO WHEEL DRUM FRAME (NYLON DISC) |
| 5. | WGRM036
WGRM036N

WGRM036S | DISC – NYLON (19 REQ.)
DISC – NYLON END DISC WITH
NOTCHES (1 REQ.)
DISC – NYLON END DISC WITH
SPACERS (1 REQ.) |
| 6. | WGRM020S | SPLIT BASKET |
| 7. | WGRM025A | BALL COMB - ANGLED (NYLON DISC) |
| 8. | WGRM025N | BALL COMB – NUT & BOLT (NYLON DISC) |
| 9. | WGRM024N | NUT & BOLT – AXLE |
| 10. | WGRM024 | AXLE (1" DIA. X 39"L) |
| 11. | WGRM024W | SPACER 1" AXLE WASHER
(2 REQ.) NYLON |
| 12. | WGRM024B | ADJUSTABLE AXLE BRACKETS |

DRUM SECTION SUB-ASSEMBLY
NYLON DISC PARTS LIST – CONTINUED

- | | |
|---------------|----------------------------------|
| 13. WGRM022 | TIE RODS (4 REQ.) |
| 14. WGRM022LN | TIE ROD LOCK NUT(4 REQ.) |
| 15. WGRM022W | TIE ROD WASHER (4 REQ.) |
| 16. WGRM024BB | AXLE BRACKET NUT & BOLT (4 REQ.) |

NO WHEEL BALL PICKER
DRUM SECTION
SUB-ASSEMBLY
ATD DISC

RANGE MATE®
NO WHEEL BALL PICKER
DRUM SECTION SUB-ASSEMBLY
ATD DISC - PARTS LIST

- | | |
|---------------|--|
| 1. WGRM005C | ELBOW COLLAR W/NUT & BOLT |
| 2. WGRM005 | ELBOW |
| 3. NO PART # | PILLOW BLOCK FOR ELBOW
CONNECTION (WELDED TO FRAME) |
| 4. WGRA004 | NO WHEEL DRUM FRAME (ATD DISC) |
| 5. WGRA025 | BALL COMB (2 TINE) ATD DISC (8 REQ.) |
| 6. WGRM020S | SPLIT BASKET |
| 7. WGRM025N | BALL COMB NUT & BOLT |
| 8. WGRA026 | DISC – ATD (17 REQ.) |
| 9. WGRM024 | AXLE (1” DIA. X 39”L) |
| 10. WGRM024N | NUT & BOLT – AXLE |
| 11. WGRM024B | ADJUSTABLE AXLE BRACKET (2 REQ.) |
| 12. WGRA024W | SPACER 1” AXLE WASHER (2 REQ.) |
| 13. WGRM024BB | NUTS & BOLTS–ADJ. AXLE BRACKET
(4 REQ.) |

COMPLETE PARTS LIST

RANGE MATE® NO WHEEL BALL PICKER

<u>CAT. NO.</u>	<u>DESCRIPTION</u>
WGRM001	MAIN FRAME
WGRM002	PUSH BAR ONLY
WGRM003	MOUNT BAR
WGRM004	DRUM FRAME (NYLON DISC)
WGRA004	DRUM FRAME (ATD DISC)
WGRM005C	COLLAR
WGRM005N	COLLAR NUT AND BOLT
WGRM005	ELBOW W/COLLAR NUTS AND BOLTS
WGRM006	OUTRIGGER ARM – R & L 5-SECTION
WGRM007	OUTRIGGER ARM – RIGHT 7-SECTION
WGRM008	OUTRIGGER ARM - LEFT 7-SECTION
WGRM009	PUSH BAR PIN W/COLLAR, NUT AND BOLT
WGRM010	OUTRIGGER ARM PIN
WGRM020S	SPLIT BASKET
WGRM020TO	TOP COVERS

RANGE MATE® NO WHEEL BALL PICKER

PARTS LIST – CONTINUED

WGRM022LN	TIE ROD LOCK NUT (NYLON)
WGRM022T	TIE ROD (NYLON)
WGRM022	TIE RODS W/NUTS AND WASHERS (NYLON)
WGRM022W	TIE ROD WASHER (NYLON)
WGRM024W WGRA024W	SPACER (2 REQ.) NYLON DISC SPACER (2 REQ.) ATD DISC
WGRM024N	DRUM AXLE NUT AND BOLT
WGRM024	AXLE
WGRM025A	ANGLED BALL COMB (NYLON DISC)
WGRA025	BALL COMB (2 TINE) ATD DISC
WGRM025N	BALL COMB NUT AND BOLT
WGRA026	DISC – ATD
WGRM036N	END DISC W/NOTCHES ONLY - NYLON
WGRM036S	END DISC W/SPACER ONLY - NYLON
WGRM036	NYLON DISC
WGRM024B	ADJUSTABLE AXLE BRACKETS (2 EACH)
WGRM024BB	AXLE BRACKET – NUT & BOLT

RANGE MATE® NO WHEEL BALL PICKER

WARRANTY

CONGRATULATIONS ON PURCHASING YOUR NEW RANGE MATE LIGHT WEIGHT BALL PICKER FROM WESTERN GOLF, INC. WESTERN GOLF HAS BEEN SUPPLYING RANGE EQUIPMENT TO GOLF COURSES AND GOLF RANGES SINCE 1956. WE TAKE PRIDE IN OFFERING QUALITY PRODUCTS AT A FAIR PRICE.

90 DAY LIMITED WARRANTY

YOUR RANGE MATE® PICKER IS WARRANTED TO THE ORIGINAL PURCHASER FOR 90 DAYS AFTER THE DATE OF DELIVERY. CONTACT WESTERN GOLF, INC., PRIOR TO RETURNING DEFECTIVE PART(S).

WITHIN NINETY (90) DAYS AFTER PURCHASE, WESTERN GOLF, INC. WILL REPAIR OR REPLACE, AT OUR OPTION, THIS EQUIPMENT IF SENT **PREPAID** BY THE PURCHASER TO US, AND FOUND, IN OUR JUDGMENT, TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP. CONTACT WESTERN GOLF, INC., PRIOR TO RETURNING ANY EQUIPMENT.

DISC THE PLASTIC DISCS ARE WARRANTED AGAINST BREAKAGE TO ORIGINAL PURCHASER FOR MANUFACTURES DEFECTS. DAMAGED PARTS MUST BE SHIPPED **PREPAID** TO WESTERN GOLF, INC. FOR EXAMINATION AND VERIFICATION BY WESTERN GOLF, INC.

WE DO NOT AUTHORIZE ANYONE TO MAKE ANY OTHER WARRANTY OR TO ASSUME FOR US ANY LIABILITY IN CONNECTION WITH THE SALE OF THE EQUIPMENT OTHER THAN THAT CONTAINED HEREIN. ANY AGREEMENTS OUTSIDE OF OURS ARE CONTRADICTORY TO THE FOREGOING AND ARE VOID AND OF NO EFFECT.

IF YOU HAVE ANY QUESTIONS OR PROBLEMS, PLEASE CALL OUR OFFICE AT **(800) 443-4350**. THANK YOU FOR SELECTING A WESTERN GOLF, INC., PRODUCT.

72-105 CORPORATE WAY THOUSAND PALMS, CA 92276-0970