

The Clubfitting Program by Eagar Sports Inc.



Eagar Sports Inc.

The Complete
Clubfitting
Training Program

**Your golf
come off an**

**Neither
your**



**swing didn't
assembly line...**

**should
equipment!™**

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A. Day One:

The PCS fitting process is the same in multiple situations of clubfitting. A client may not have existing equipment, the current equipment evaluation may be redundant, or replacing the current equipment may not be in the best interest of the client.

- 1. Welcoming comments Bob Dodds Technical Director**
- 2. Goals and Objectives from Clubmaking Training**
 - a. Personal use in Clubmaker's businesses**
 - b. Write and pass PCS Class A Club Fitter exam**
 - c. Retail Golf Shop Clubfitting**
 - d. PGA, CPGA, USGTF, or USGTCA associated**
- 3. Video Presentations**
 - a. The Golf Channel Workshop – Clubfitting with Bob Dodds**
 - b. The Determinator by True Temper**
 - c. Simplified Clubfitting – Gene Ware 1991 GSO Clubmaker of the Year (fitting process only)**
- 4. The PCS Personal Clubfitting Process**

Identify the clients Personal Clubfitting Specifications, Current Golf Equipment Specifications, Tendencies, and Objectives for Game Improvement

a. The Information Gathering Process

I. Client Interview

- Personal Information address, phone number etc.**
- Golf game statistics**
- Current Golf Set make up**
- Ball Striking Tendencies**
- Playing Goals**

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II. Establish the Clients Personal Clubfitting Standards

- **Playing Length**
- **Grip Size**
- **Club Head Speed (5-iron & Driver)**
- **Shaft Load or Swing Tempo Time**
- **Swing Plane Lie Angle requirement**
- **Shaft Specifications recommendations**
- **Shaft Material recommendation**
- **Golf Swing Characteristics**

III. Document the specifications of the client's current Golf equipment.

- **Playing Lengths**
- **Iron Loft angles**
- **Iron Lie angles**
- **Swingweights**
- **Frequencies**
- **Woods Face angles**

IV. Identify the 23 Clubfitting Variables and how and to what extent they effect the clients playing objectives

1. **Set Make Up**
2. **Loft angle**
3. **Center of Gravity**
4. **Club Length**
5. **Total Weight**
6. **Lie angle**
7. **Shaft Flex**
8. **Shaft Weight**
9. **Club Balance Point**
10. **Swingweight**
11. **Offset of Face Progression**
12. **Shaft Torque**
13. **Face Vertical Roll**
14. **Weight Distribution (center of gravity)**
15. **Face Angle**

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- 16. Grip Size**
- 17. Grip Weight**
- 18. Sole Angle**
- 19. Shaft Bend Point**
- 20. Horizontal Bulge**
- 21. Sole Radius**
- 22. Shaft Balance Point**
- 23. The Golf Swing**

V. Identify the 5 clubfitting objectives and show to what extent each of the 23 clubfitting variable effect the clients goals and objectives

- 1. Accuracy**
- 2. Feel**
- 3. Distance**
- 4. Trajectory**
- 5. Backspin**

VI. Establish the Cause and Effect Guide

- If you do this – the problem could be (from an equipment point of view)**

b. Evaluation of the client's Clubfitting Standards compared to the documentation of the current equipment's specifications

- What Variables conform to client's standards**
- What Variables do not conform**
- What Variables could be adjusted to conform to standards**
- What components should be replaced**

c. What does the client want you as a PCS Golf Equipment Professional to do now?

- Replace the current golf equipment**
- Adjust the current equipment**
- Think about it**

End of Day One:

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B. Day Two:

1. Review Day One

a. Questions and Answers

2. Video Presentations

a. PCS Golf Channel Workshops with Bob Dodds

- **Shaft and Clubheads**
- **Drivers**
- **Putters and Wedges**
- **Grips**

3. Golf Shafts Presentation

a. Steel Shafts

- **Specifications and Manufacturers**
- **Step patterns**
- **Kick Points**
- **Flexes**
- **Tip and Butt sizes (tapered or parallel)**
- **Torque**
- **Balance Points**
- **Trimming Instructions**
- **RSSR or DSFI**
- **The Rifle Shaft**

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b. Graphite and Composite Shafts

- **Specifications and Manufacturers**
- **Shaft Weights**
- **Kick Points**
- **Flexes**
- **Tip and Butt sizes (tapered or parallel)**
- **Torque**
- **Balance Points**
- **Trimming Instructions**
- **RSSR or DSFI**
- **The Rifle Shaft**

4. Club Head Design Presentation

a. Irons Heads

- **Manufacturing Processes and Suppliers**
- **Materials Used**
- **Specifications**
- **Center of Gravity**
- **Head Styles (performance or game improvement)**
- **Test Drive Results**

b. Wood Heads

- **Manufacturing Processes and Suppliers**
- **Materials Used**
- **Specifications**
- **Center of Gravity**
- **Head Styles (performance or game improvement)**
- **Test Drive Results**
- **Face Angles**

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5. Grips Presentation

- **Manufacturing Processes and Suppliers**
- **Materials Used**
- **Specifications and Core Sizes**
- **Special Applications**
- **Clients Preferences**

6. Frequency Analyzation

- a. Video Presentation “The Need for Measuring Frequency” – Kim Braley FM Precision**
- b. Establishing Frequency (cpm) and Flex Values (5.0)**
 - **Frequency Systems**
 - **The Equalizer by the PCS**
 - **The FM Precision System**
 - **Constant Flex Slope**
 - **Other Flex Slopes**
 - **Frequency Matched shafts compared to Frequency Matched golf Clubs**
 - **Zone Frequency of Shafts**

7. Shaft Oscillation Presentation

- a. Strategic Shaft Technologies LC**
 - **Pureing the Shaft**
 - **The Analysis of the Plane – Golfsmith**

8. Shaft Sorting Presentation

- a. Sorting by Weight**
- b. Sorting by Frequency**

End of Day Two

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Day Three

1. Review Days One and Two

- **Questions and Answers**

2. Application of the Clubfitting Process

a. Applying the Clients Standards

- **Playing Length**
- **Grip Size**
- **Club Head Speed (5-iron & Driver)**
- **Shaft Load or Swing Tempo Time**
- **Swing Plane Lie Angle requirement**
- **Shaft Specifications recommendations**
- **Shaft Material recommendation**
- **Golf Swing Characteristics**
- **Swingweight Preference**
- **Set make Up**

b. Club Head Selection

- **Rebuild or Replace**
- **Performance or Game Improvement**
- **Playing Characteristics**
- **Trajectory, Distance, Accuracy**
- **Clients Preferences**
- **Center of Gravity**
- **Face Angle**
- **Face Progression (offset)**
- **Sole Angle, Sole Radius, Bulge or Roll**

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c. Shaft Selection

- **Shaft Material**
- **Shaft Flex**
- **Shaft Torque**
- **Shaft Kick Point**
- **Shaft Weight**
- **Shaft Balance Point**
- **Replace or Re-align or Re-fit**
- **Clients Preferences**

d. Grip Selection

- **Grip Material**
- **Grip Size**
- **Clients Preferences**

3. The Assembly Process Presentation

a. Grips Preparation

- **Select Grip**
- **Weight Sort Grips**

b. Heads Preparation

- **Select Heads**
- **Weight Sort and Balance Heads**
- **Prepare Hosels for Assembly**

c. Shafts Preparation

- **Select Shafts**
- **Weight and Frequency Sort Shafts**
- **Find the Spine**
- **Orient the Shafts in Oscillation Plane**

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d. Preliminary Evaluation of Finished Swingweight

- **What is Swingweight**
- **Effect of Head Weight**
- **Effect of Grip Weight**
- **Effect of Shaft Weight**
- **Effect of Length**

e. Establish Final Head Weight

- **Balance Head Weight to Proper Increments**

f. Establish Finished Flex Rating

- **Prepare Shafts by Frequency Matching**
- **Prepare Shafts by Tipping Procedures**
- **Prepare Shaft Tip for Assembly**
- **Cutting Steel**
- **Cutting Graphite**

g. Dry Assemble Clubmaking Project

- **Install Ferule on Shaft**
- **Inspect Everything Prior to Epoxy Stage**

h. The Epoxy Stage

- **Epoxy Specifications and Suppliers**
- **Mixing Procedures**
- **Application of Epoxy into Clubmaking Project**
- **Clean Up**

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4. Custom Logo Application in Clubheads

a. Iron Heads and Putters

- **Printing Logos**
- **Applying Logos into Clubheads**
- **Mixing and Applying Nu-Clear Epoxy**

b. Wood Heads and Putters

- **Sandblasting Logos**
- **Acid Etching Logos**
- **Decals and Painting Logos**

End of Day Three

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Day Four

1. Review Days One, Two, and Three

a. Questions and Answers

2. Completion of the Assembly Process

a. Epoxy Check

- **If it not hard in the pot, it's not set in the hosel**

b. Set Finished Playing Length

- **Cutting Steel**
- **Cutting Graphite**
- **Measuring Playing Length**

c. Adjusting Swingweight if Necessary

- **Lead Powder and Corks**

d. Adjusting Frequency if Necessary

- **Lead Powder and Corks**

f. Anti Vibration System

- **Installing AVS**

g. Ferule Finishing

- **Turn Down Ferules**
- **Finishing Ferules**

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h. Grip Installation

- **Sizing Process**
- **Custom Sizing**
- **Installation Process**

i. Set Finished Loft and Lie Angles

- **Bending characteristics of Steel**
- **Bending Procedures**

j. Hit the Clubs

- **Check the Lie Angles**
- **Check the Impact Position**

k. Clean Up

- **Shaft Bands**
- **Clean and Polish**

3. General Repairs to Golf Clubs

a. Changing Swingweight

- **Lead Powder and Corks**
- **Lead Tape**
- **Other Weighting Procedures**

b. Shaft Removal

- **Steel Shafts from Heads**
- **Graphite or Composite Shafts from Heads**
- **Shaft Removal from Wooden Heads**

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c. Grip Removal

- **Cutting Grips**
- **Compressor Removal**
- **Grip Gun Removal**

d. Repairs to Wooden Heads

- **Broken or Cracked Heads**
- **Inserts**
- **Sole Plate**
- **Whipping**
- **Basic Refinishing**

e. Repairs to Steel Heads

- **Dents in Wood Heads**
- **Polishing or Grinding Iron Heads**
- **Score Lines**
- **Rattles in Wood Heads**

f. Putter Fitting

- **Length**
- **Loft Angle**
- **Lie Angle**
- **Swingweight**
- **Adjustments to Specifications**

g. Shafts Adjustments

- **Extensions**
- **Shortening**
- **Anti Vibration System**
- **Oscillation Orientation**

End of Day Four

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Day Five

1. Review Days One, Two, Three, and Four

a. Questions and Answers

2. Marketing

a. Video Presentation Paul Bessler “Keys to Being a Successful Clubmaker”

- **Round Table Discussion**

b. Video Presentation Matz Modeer “Going High-tech in the Fitting Process”

- **Round Table Discussion**

c. Pricing Your Product

- **Survey Your Market Area**
- **Don’t Sell Yourself Short**

d. Who is Your Competition

e. Importing Goods

- **Suppliers**
- **Custom Duties**
- **Ethics**
- **Copyright Infringements**

f. Round Table Discussion

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3. Shop Set Up Discussion

a. Shop Equipment

- **Suppliers and Manufacturers**

b. Bench Set Up

- **Suppliers and Manufacturers**
- **Common Recommendations**

c. Shop Supplies

- **Suppliers and manufacturers**
- **Safety**

d. Inventory

- **Suppliers and Manufacturers**
- **Ethics**

4. Review of The Complete Personalized Clubfitting Program

a. Information Gathering

b. Application of the Fitting Data

c. The Assembly Procedures

d. Loft and Lie Adjustments

e. Questions and Answers

5. Skills Examination

6. Graduation Presentation. Closing comments Bob Dodds, PCS Technical Director

End of Day Five

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Equipment required:

1. Beltronics Swingmate
2. Bengston Swing Analyzer
3. Bulge and Roll Gauge
4. Clubfitters Ruler
5. Eagar Sports Inc. Personalized Clubfitting Program
6. Frequency System
7. Gram scale
8. Grip Hand Sizer gauge
9. Hitting Cage
10. Loft & Lie Machine
11. PC Pentium II @ 233 megahertz 64 RAM
12. PC Projector
13. PCS Worksheets and Interview forms
14. Practical Clubfitting Tom Wishon
15. Simplified Clubfitting Gene Ware VHS
16. Swingweight scale
17. Television with VCR
18. True Temper Determinator

Time required 5, 6 – 7 Hour Sessions

Student requirements

1. Practical Clubfitting	\$24.50
2. Ralph Maltby Edition 4	\$39.95
3. Club Makers Ruler	\$15.00
4. Beltronics Swingmate	\$110.00
5. Determinator	\$100.00
6. Hand Sizer Gauge	\$10.00
7. All-in-One Gauge	\$13.00
8. Tuition/Registration	\$1,000.00

Student Pre-requisites:

None