

Adjustable Angular Torch Head

INSTALLATION AND OPERATION INSTRUCTIONS

Before Installing or Operating, Read and Comply with These Instructions

Controls Corporation of America
1501 Harpers Road Virginia Beach, VA 23454
To Order Call 1-800-225-0473 or 757-422-8330 • Fax 757-422-3125
www.concoa.com

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USER RESPONSIBILITY

This equipment will perform in conformity with the description contained in this manual and accompanying labels and/or inserts when installed, operated, maintained, and repaired in accordance with the instructions provided. This equipment must be checked periodically. Improperly working equipment should not be used. Parts that are broken, missing, worn, distorted or contaminated, should be replaced immediately. Controls Corporation of America (CONCOA) recommends that a telephone or written request for service advice be made to CONCOA Customer Service in Virginia Beach, Virginia, PHONE: 1-757-422-8330 or TOLL FREE in the US and CANADA 1-800-225-0473, FAX: 1-757-422-3125, or E-MAIL: e-mail@concoa.com.

This equipment or any of its parts should not be altered without prior written approval by CONCOA. The user of this equipment shall have the sole responsibility for any malfunction that results from improper use, faulty maintenance, damage, improper repair, or alteration by anyone other than CONCOA or a service facility designated by CONCOA.

USER RESPONSIBILITY

In the event of equipment failure, call the CONCOA Customer Service Line: 1-757-422-8330 or TOLL FREE in the US and CANADA 1-800-225-0473. Please be prepared to provide the model number and serial number of the equipment involved, in addition to some details regarding its application.

SAFETY

The operator of this equipment must observe the precautions give in CONCOA publications ADE 872, *Safe Practices in Welding and Cutting*, and in NFPA Pamphlet 51B, *Cutting and Welding Processes*. Also, observe the precautions listed in the torch instruction manual and this manual.

INTRODUCTION

I. Scope

This manual provide installation, operation, and service information for Style 2100 Adjustable Angular Torch Head.

I.I Description

This head is designed to be used as an accessory for Style 4700 machine cutting torches to permit bevel cuts. See Figure 1 for range of angular adjustments. Indexing marks of five (5) degree increments are forged in the face to facilitate adjustment.

The Head is used with any tip up to size No.6 (Drill 42 Max.) that would normally be used with the torch.

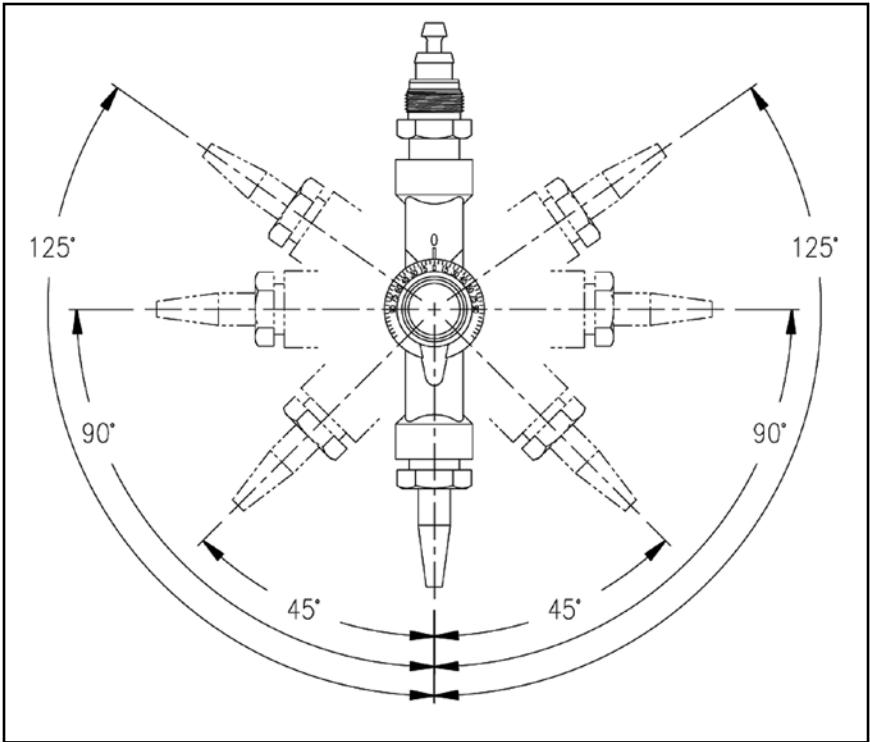


Figure 1: Head Adjustment Range

INTRODUCTION

Attach according to Figure 2:

a. Install Angular Head in torch head in place of tip. Hold Angular Head with hinge axis parallel with line of cut and tighten head nut.

IMPORTANT

Avoid damage to the seats and threads during installation. Tighten head and tip nuts firmly but not excessively.

b. Install tip in Angular Head. Hold square section of outlet body with wrench and tighten tip nut.

c. Slightly loosen hinge nut, set the desired angle, and tighten nut firmly.

CAUTION

If Head Adjustment is attempted without loosening hinge nut, the hinge sealing elements may be damaged.

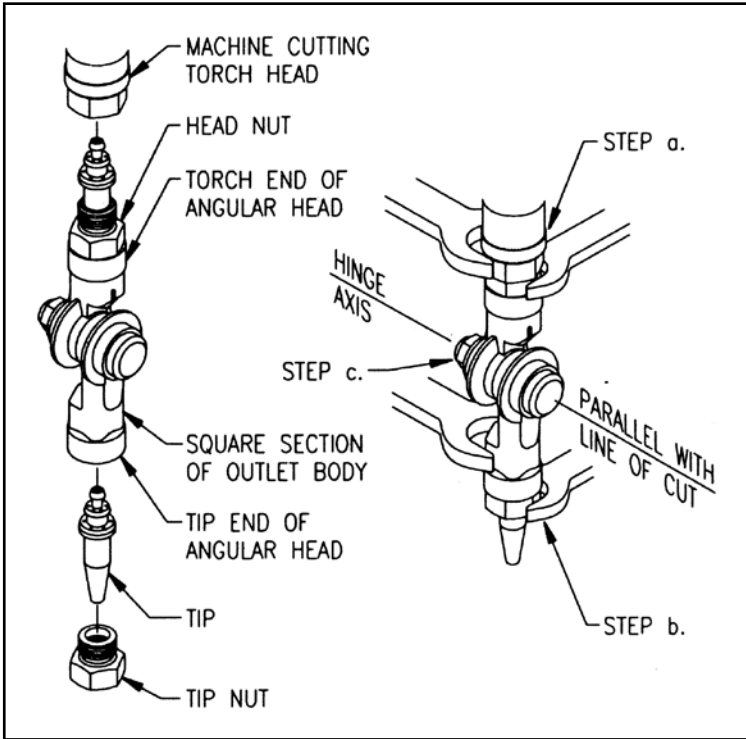


Figure 2: Installation

OPERATION

The tip is used in the same manner as a torch except that increased fuel and preheat oxygen pressures may be required.

CAUTION

Do not loosen hing nut or adjust angle while flame is burning. Avoid flame, deflection onto hinge to prevent damage to seals. Use strong flames with light tips rather than low flames with medium tips.

SERVICE

A unit which is not functioning properly should not be used until all required repairs have been completed and the unit has been tested to ascertain that it is in proper operating order.

Inspection and troubleshooting of this equipment as indicated in this manual, may ordinarily be undertaken by a competent individual having at least general experience in the maintenance of equipment of this nature.

CAUTION

No such maintenance should ever be undertaken or attempted by anyone not having such qualifications.

It is recommended that all servicing should be done by an authorized CONCOA service facility. Contact the Authorized Distributor from whom purchased.

If so advised, the unit should be sent to a service facility authorized by CONCOA, adequately packaged, in the original container, if possible, and shipped prepaid, with a statement of observed deficiency. Return where warranty is applicable, repairs will be made at current list price for the replacement part(s) plus a reasonable labor charge.

Warranty Information

This equipment is sold by CONTROLS CORPORATION OF AMERICA under the warranties set forth in the following paragraphs. Such warranties are extended only with respect to the purchase of this equipment directly from CONTROLS CORPORATION OF AMERICA or its Authorized Distributors as new merchandise and are extended to the first Buyer thereof other than for the purpose of resale.

For a period of one (1) year from the date of original delivery (90 days in corrosive service) to Buyer or to Buyer's order, this equipment is warranted to be free from functional defects in materials and workmanship and to conform to the description of this equipment contained in this manual and any accompanying labels and/or inserts, provided that the same is properly operated under conditions of normal use and that regular periodic maintenance and service is performed or replacements made in accordance with the instructions provided. The foregoing warranties shall not apply if the equipment has been repaired: other than by CONTROLS CORPORATION OF AMERICA or a designated service facility or in accordance with written instructions provided by CONTROLS CORPORATION OF AMERICA, or altered by anyone other than CONTROLS CORPORATION OF AMERICA, or if the equipment has been subject to abuse, misuse, negligence or accident.

CONTROLS CORPORATION OF AMERICA's sole and exclusive obligation and Buyer's sole and exclusive remedy under the above warranties is limited to repairing or replacing, free of charge, at CONTROLS CORPORATION OF AMERICA's option, the equipment or part, which is reported to its Authorized Distributor from whom purchased, and which if so advised, is returned with a statement of the observed deficiency, and proof of purchase of equipment or part not later than seven (7) days after the expiration date of the applicable warranty, to the nearest designated service facility during normal business hours, transportation charges prepaid, and which upon examination, is found not to comply with the above warranties. Return trip transportation charges for the equipment or part shall be paid by Buyer.

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