

ENGINEERING CHANGE ORDER

E.C.O. NO. 620-174

620 (SERVICE)
MODELS AFFECTED

JAN 02 1991

DATE: 12-21-90
EFFECTIVITY: 2-1-91
(ENGR.)

SHEET 1 OF 1

DISTRIBUTION:

| <u>NAME</u> | <u>PRINTS</u> | <u>NAME</u> | <u>PRINTS</u> | <u>NAME</u> | <u>PRINTS</u> |
|--|---------------|-------------|---------------|--|---------------|
| BAUER | 6* | GARVELS | - | MILSTER | - |
| BOSWELL | - | HART | - | REED | 1 |
| COOPER | - | HOEPER | - | XXXXXXXXXX | - |
| CUMMINS | - | KUESER | - | WATKINS | - |
| EWING | - | MATTHEWS | - | WIESE | 1 |
| GANTZERT | 4 | MICRO FILM | 1 | WILSON | - |
| <u>SPECIAL DISTRIBUTION:</u> ALBRECHT, FRENCH, MILLER, NEWKIRK 1-ECO & ZANITSCH 1-1*. FREER 1-SEPIA# | | | | | |

DESCRIPTION OF CHANGE:

NEW KIT BEING ESTABLISHED FOR THE ADDITION OF A FRENCH HOTTRON SHORT CUP FOR THE PURPOSE OF UPDATING FRENCH FIELD UNITS.

NEW SERVICE PARTS (NEW DRAWINGS ARE REVISION "A" AND DATED 12-19-90).

| | | | | |
|----------|------------------------------------|-------|----------|-------|
| 6206044* | JUMPER-DECAF. MOTOR | PA7-P | DWG SIZE | A |
| 6206045* | JUMPER-CREAM MOTOR | PA7-P | " | A |
| 6206046* | JUMPER-HEATER | PA7-P | " | A |
| 6207015# | AUGER & SHAFT ASSY.- FRENCH | XA3-P | " | A |
| 6207016 | AUGER ASSY.-FRENCH | MA7-P | " | A |
| 6207017 | BRACKET & "Y" ASSY.-FRENCH | MA7-P | " | B |
| 6207018 | BRACKET-TUBE MOUNTING | PC7-P | " | B |
| 6207019 | HEATER ASSY.-COFFEE-620 FR. | MA7-P | " | C |
| 6207020 | COVER-HEATER-FRENCH | PC7-P | " | B |
| 6207021 | KIT-FRENCH HOTTRON SHORT CUP | MAP-P | " | A |
| 6207022 | INST. INSTR.-FR. HOTTRON SHORT CUP | PC7-P | " | N/D ← |
| 6207023 | AIR VENT ASSY.-LONG | MA7-P | " | A |
| 6208067 | TUBE-HEATER-IN-620 FR. | MC7-P | " | A |
| 6208068 | TUBE-HEATER-OUT-620 FR. | MC7-P | " | A |
| 6208069 | TUBE-6208037-17.0 LG. | MC7-P | " | A |
| 6208070 | TUBE-6208037-15.0 LG. | MC7-P | " | A |
| 6208071 | BRACKET-HEATER MOUNTING-FR. | PC7-P | " | A |
| 6208072 | TUBE-6208037-3.0 LG. | MC7-P | " | A |
| 6208073 | INSULATION-HEATER-FRENCH | PC7-P | " | A |
| 6208074 | TUBE & "Y" ASSY.-MIX. BWLS.-FR. | MA7-P | " | B |

REFERENCE KIT DRAWING 6207021 FOR A COMPLETE LISTING OF PARTS.

PURCHASING TO CONTACT ROBERT THOMSON, PUBLICATIONS, FOR INSTRUCTION ARTWORK. NEW PARTS TO BE ORDERED AS SOON AS POSSIBLE.

THERE ARE NO ANTICIPATED TOOLING CHARGES FOR THIS KIT.

DISPOSITION OF STOCK:

NOT APPLICABLE.

STRUCTURE REVISIONS:

ADD NEW SERVICE PARTS TO ITEM MASTER FILE AND STRUCTURE PER DRAWINGS.

APPROVALS:

G. Ficken
ENGINEERING MANAGER

[Signature]
ENGINEER

Franklin Newkirk

A. Oate

SALES
REQUESTED BY

J. GARVELS
PREPARED BY

SERVICE PART

| | | | | |
|--|---|---------------------------|----------------------------|------------------|
| PART NO 6207021 | PART NAME KIT-FRENCH HOTTRON SHORT CUP | DATE 12-19-90 | DWG. NO. | REV. NO. |
| MATERIAL | FINISH ----- | Drawn by JVG | DESCRIPTION ECO 620-174 | ECO NO --- |
| SEE BELOW | | Checked by Approved by | REVISION | DATE 12-19-90 |
| <p>NATIONAL VENDORS® A DIVISION OF CRANE CO. ST. LOUIS, MO. 63044</p> | | SCALE --- | | |
| <p>UNLESS OTHER DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES • 2 PLACE DECIMAL ± .02 UNLESS • 3 PLACE DECIMAL ± .005 OTHERWISE • ANGLES ± 1/2° EXCEPT SPECIFIED • FORMED ANGLES ± 1° CONCENTRICITY T.I.R. .010</p> | | | | |

THIS KIT CONSISTS OF THE FOLLOWING:

| QUANTITY | PART NO. | DESCRIPTION |
|----------|----------|---|
| 2 | 4731059 | MOTOR ASSY. - 200 RPM |
| 2 | 6137128 | AUGER ASSY. |
| 1 | 6207023 | AIR VENT ASSEMBLY-LONG |
| 1 | 6201062 | IC ASSY. - PROG. (U36) - FRANCE |
| 1 | 6206044 | JUMPER-DECAF. MOTOR |
| 1 | 6206045 | JUMPER-CREME MOTOR |
| 1 | 6206046 | JUMPER-HEATER |
| 1 | 6207016 | AUGER ASSY. - FRENCH |
| 1 | 6207017 | BRACKET & "Y" ASSY. - FRENCH |
| 1 | 6207019 | HEATFR ASSY. - COFFEE-620 FR. |
| 1 | 6208074 | TUBE & "Y" ASSY. - MIXING BOWLS-FRENCH |
| 1 | 6207022. | INSTRUCTIONS-INSTALLATION-FRENCH HOTTRON SHORT CUP |
| 4 | 9900106 | SCREW-#8-32 X 3/8 ACORN HEX |

ALL SUITABLY PACKAGED PER ORDER.

KIT 6207021

INSTALLING A FRENCH SHORT CUP KIT IN A HOTTRON

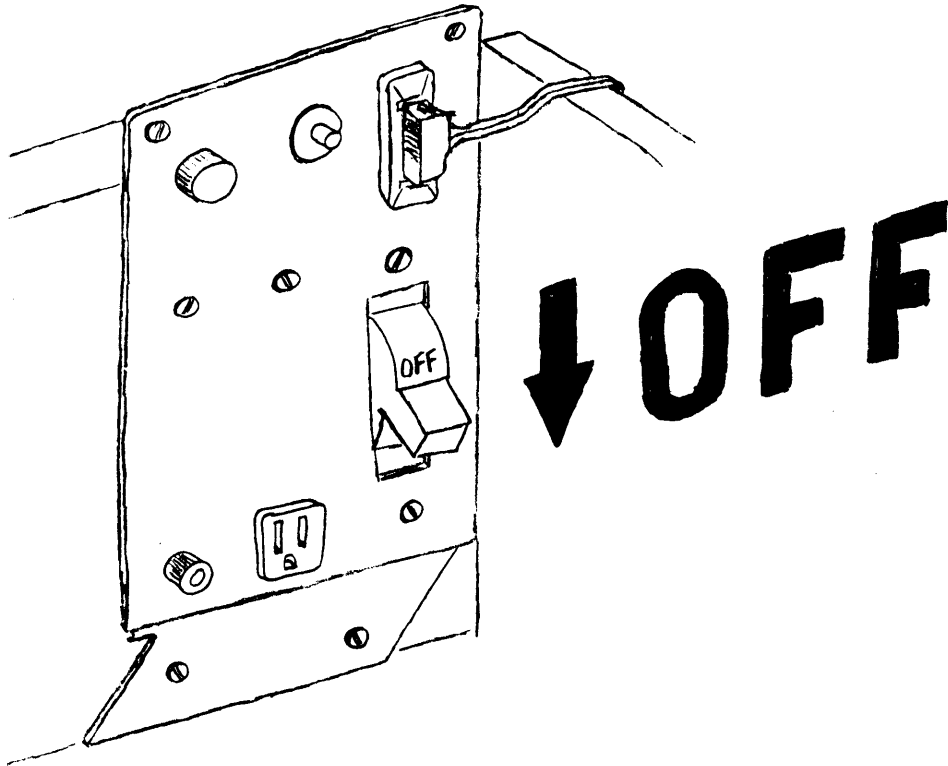
THIS KIT INCLUDES THE FOLLOWING:

| | | |
|---------|---|---|
| 4731059 | MOTOR ASSEMBLY - 200 R.P.M | 2 |
| 6137128 | AUGER ASSEMBLY | 2 |
| 6207023 | AIR VENT ASSEMBLY - LONG | 1 |
| 6201062 | IC ASSEMBLY - PROG (U36) FRANCE | 1 |
| 6206044 | JUMPER - DECAF MOTOR | 1 |
| 6206045 | JUMPER - CREME MOTOR | 1 |
| 6206046 | JUMPER - HEATER | 1 |
| 6207016 | AUGER ASSEMBLY - FRENCH | 1 |
| 6207017 | BRACKET & "Y" ASSEMBLY - FRENCH | 1 |
| 6207019 | HEATER ASSEMBLY - COFFEE - 620 | 1 |
| 6208074 | TUBE & "Y" ASS'Y - MIXING BOWLS - FRENCH | 1 |
| 6207022 | INSTRUCTIONS - INSTALLATION | 1 |
| 9900106 | SCREW - #8-32 x 3/8 ACORN HEX | 4 |

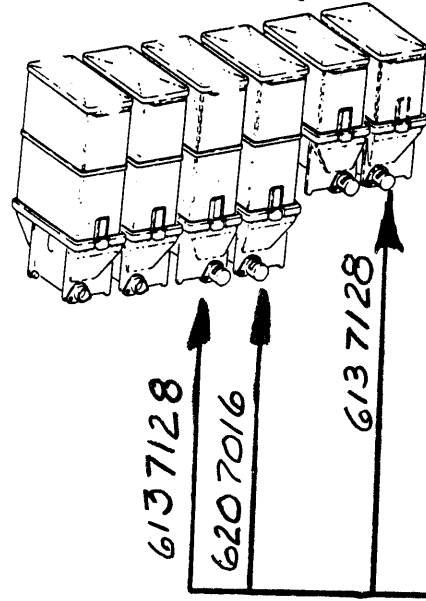
CHECK THE PARTS RECEIVED IN THE KIT WITH THE PART LIST ABOVE. CALL NATIONAL VENDORS PARTS DEPARTMENT IF ANY PARTS ARE MISSING.

READ INSTRUCTIONS CAREFULLY BEFORE INSTALLING KIT.

1. PUT MAIN POWER SWITCH IN "OFF" POSITION.

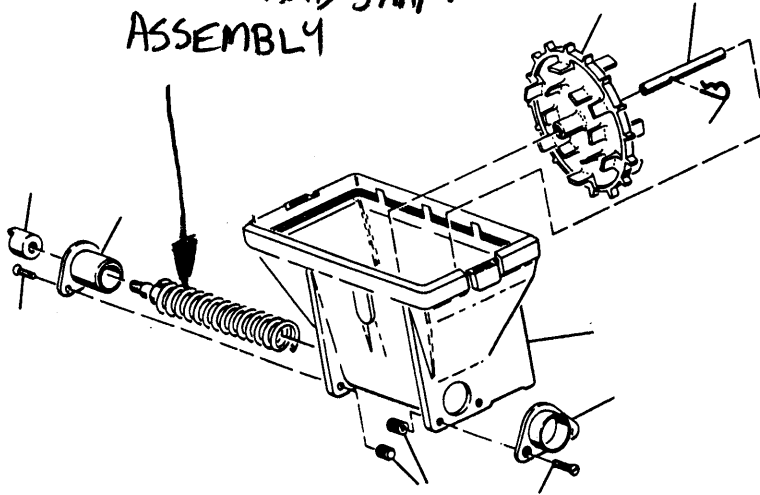


2. REPLACE AUGERS IN SUGAR, WHITENER & DECAF CANISTERS.

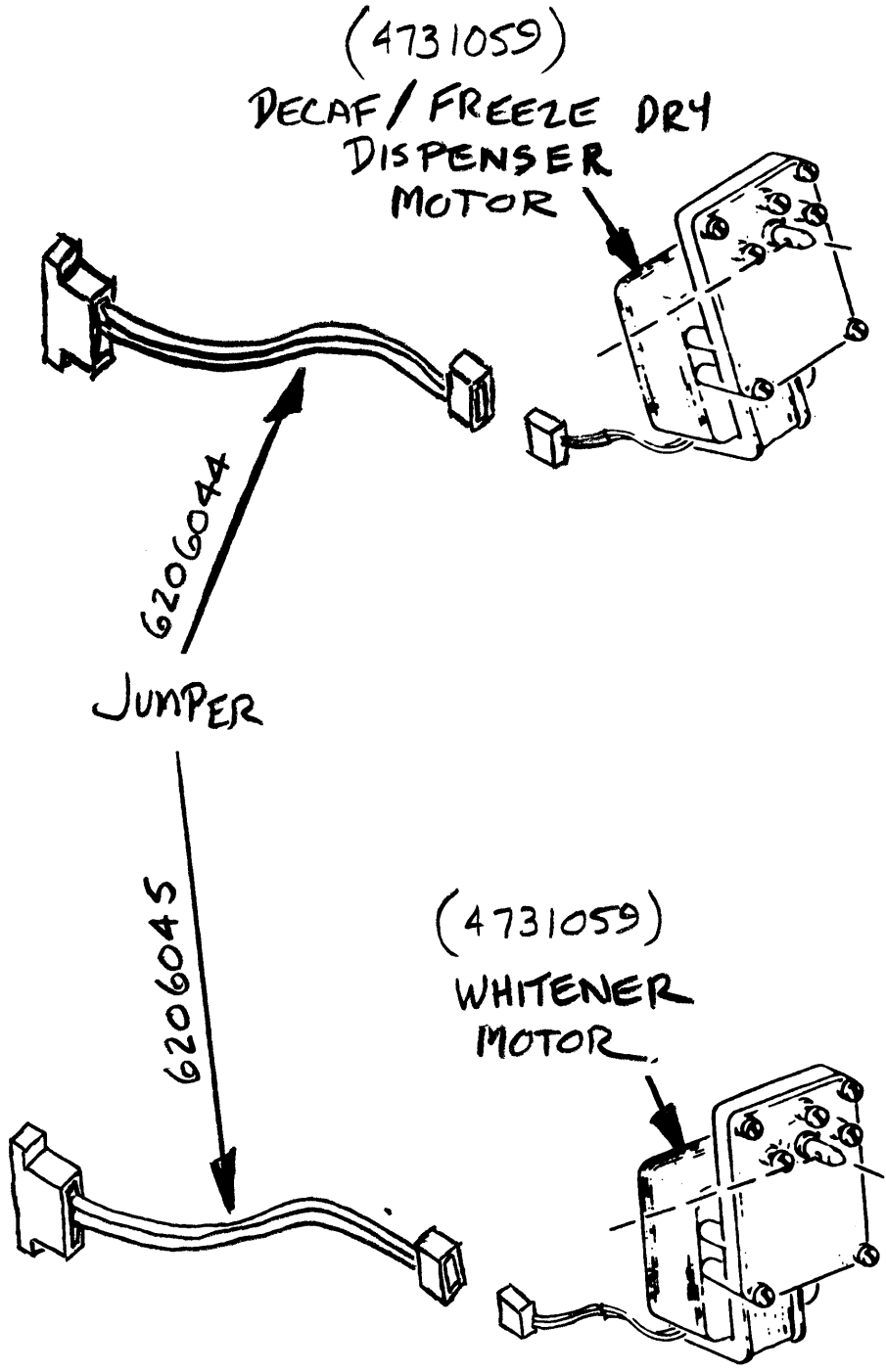


REPLACE
AUGER & SHAFT
ASSEMBLIES

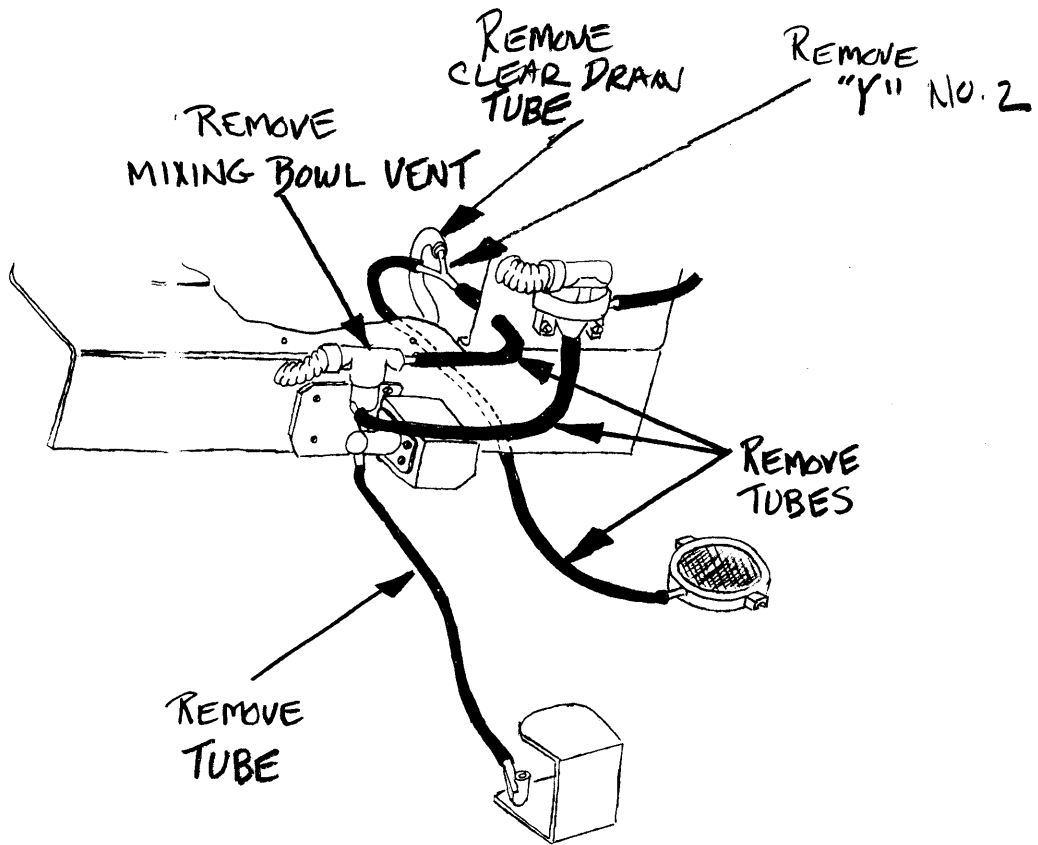
AUGER AND SHAFT
ASSEMBLY



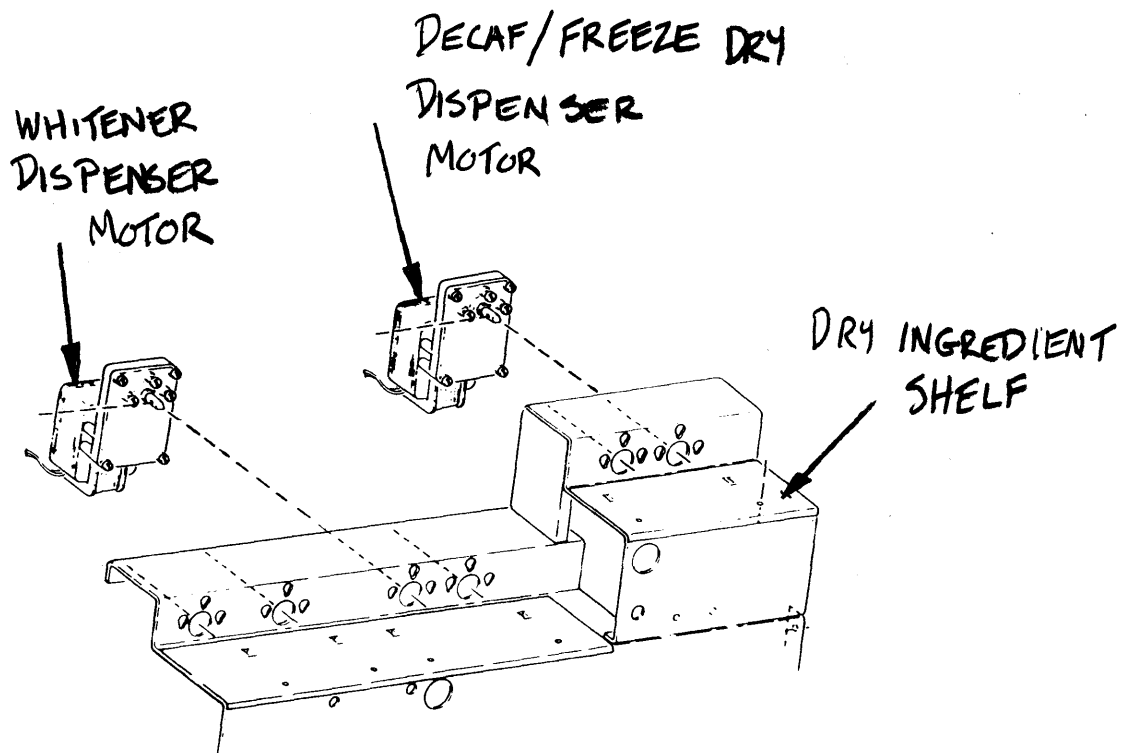
3. INSTALL JUMPERS ON NEW DECAF/FREEZE DRY AND WHITENER DISPENSER MOTORS.



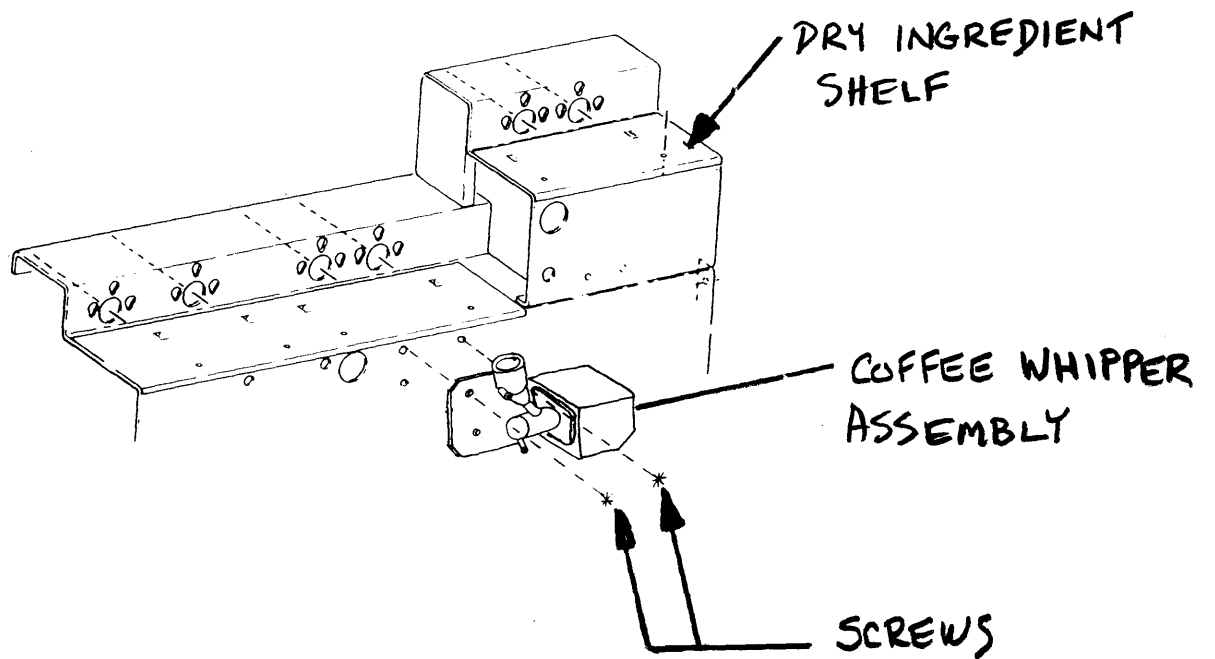
4. REMOVE MIXING BOWL VENT, TUBES and "Y" NO. 2 AS SHOWN.



5. REPLACE WHITENER & DECAF DISPENSER MOTORS.

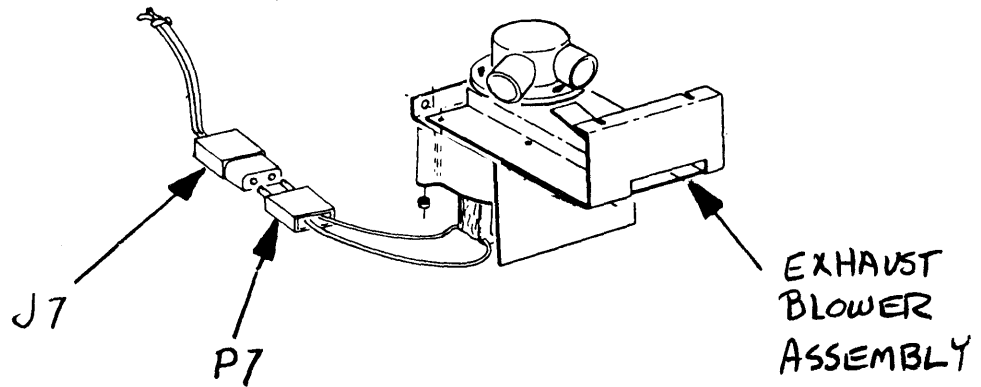


6. REMOVE THE SCREWS ATTACHING COFFEE WHIPPER ASSEMBLY TO DRY INGREDIENT SHELF.

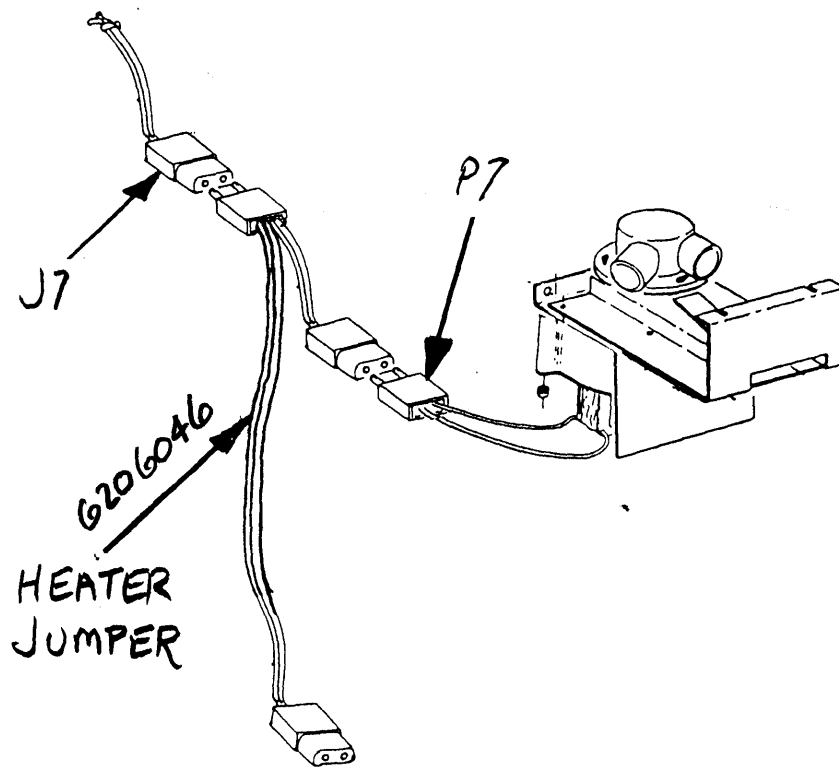


7. MOVE THE COFFEE WHIPPER ASSEMBLY OUT OF THE WAY.

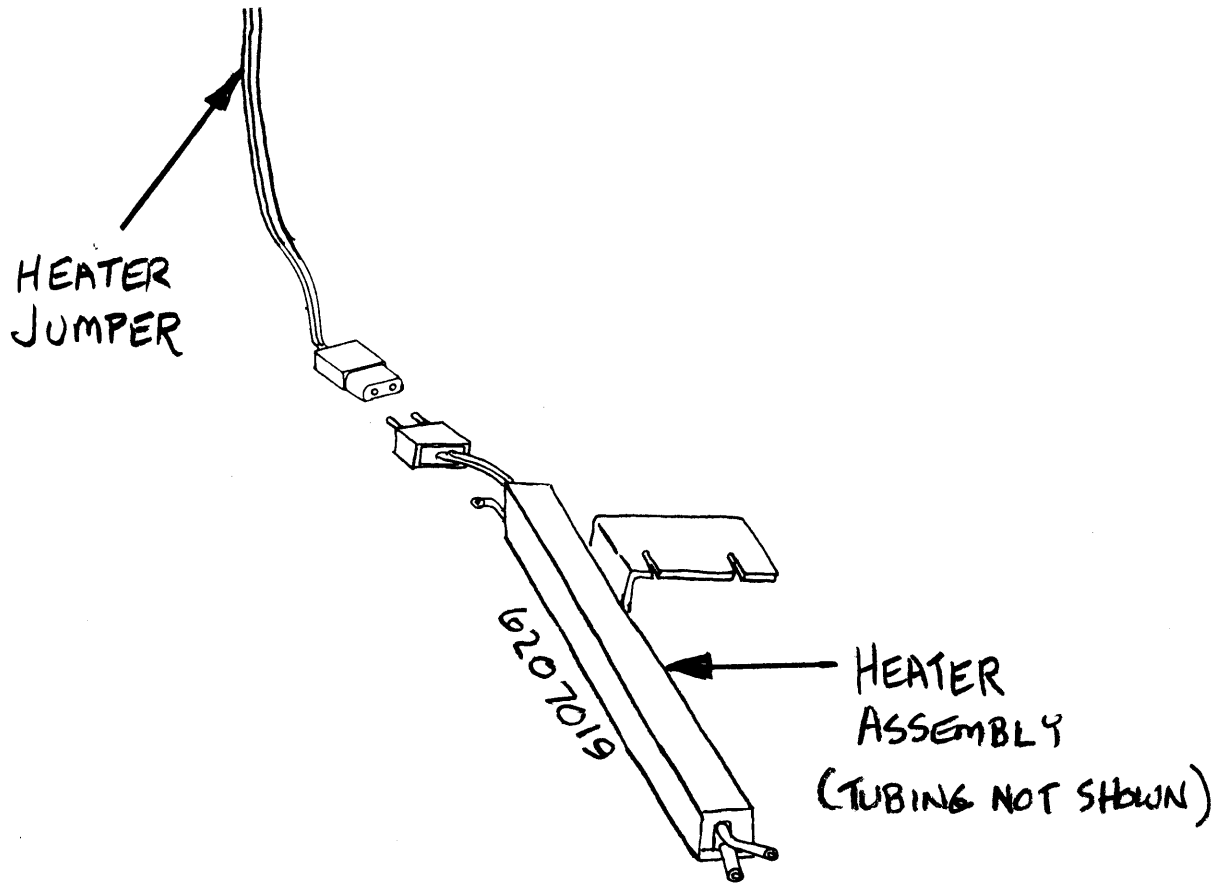
8. SEPARATE J7 AND P7.



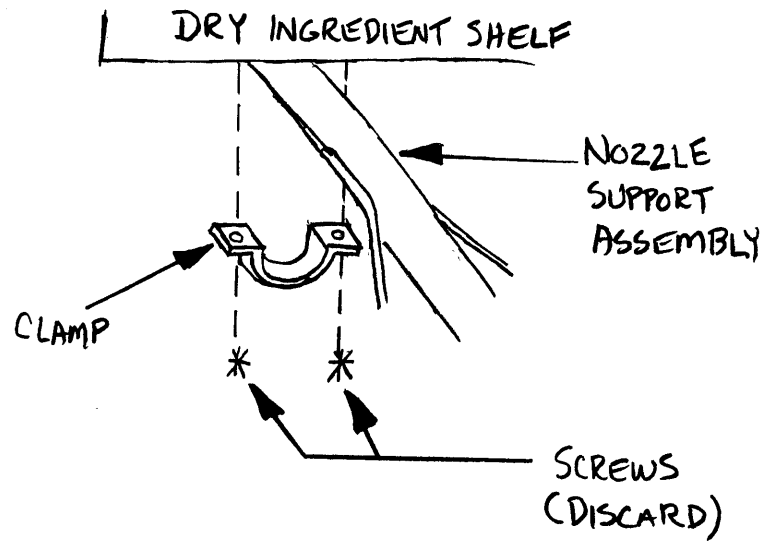
9. INSERT THE HEATER JUMPER - RECONNECT.



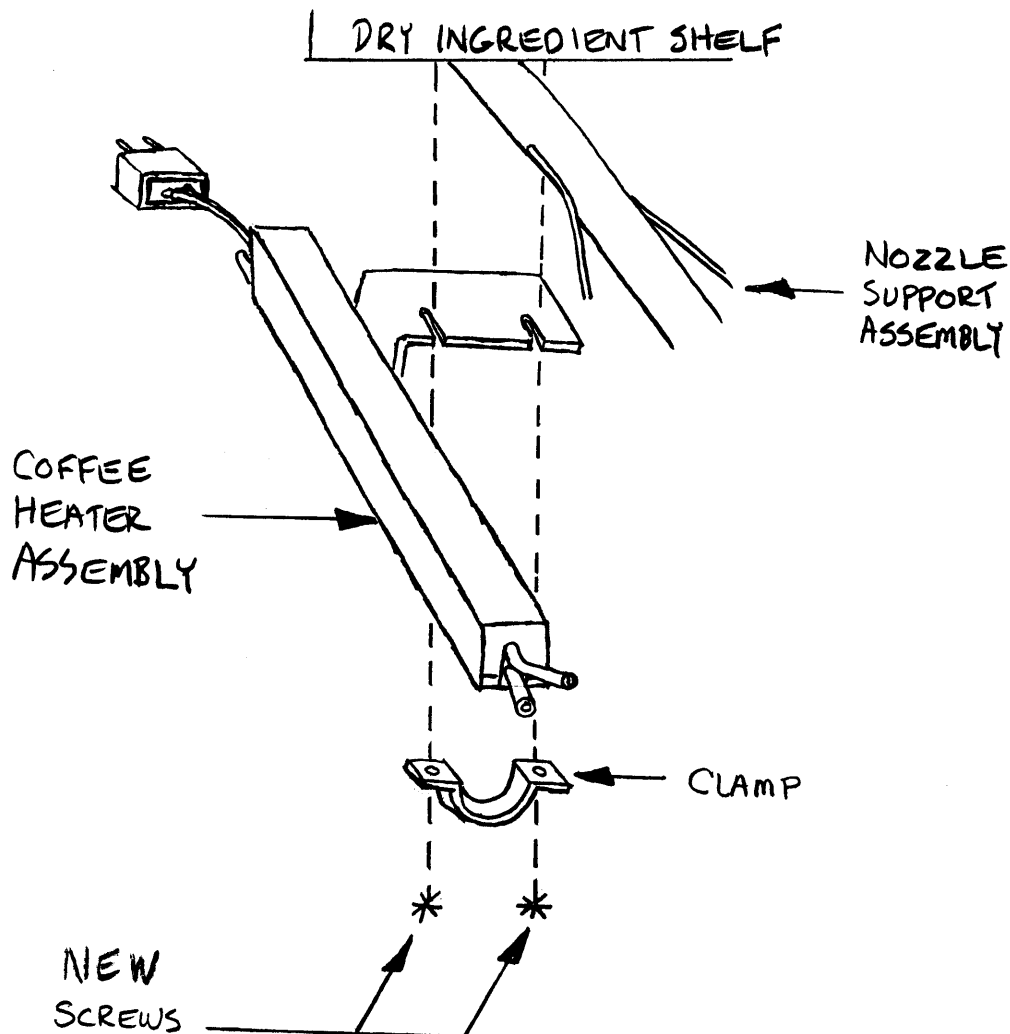
10. CONNECT THE HEATER TO THE HEATER JUMPER.



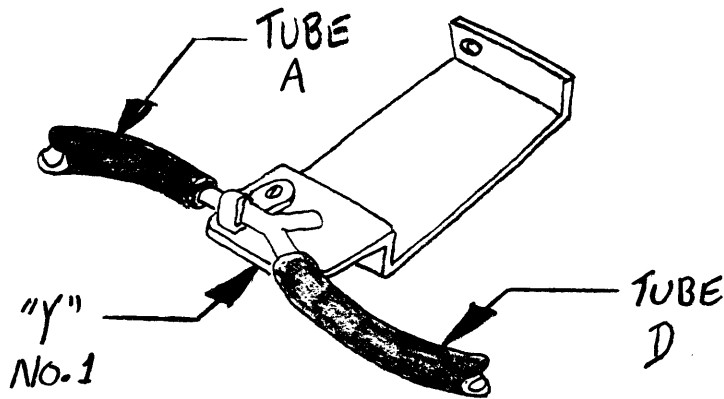
11 REMOVE SCREWS HOLDING CLAMP TO INGREDIENT SHELF.



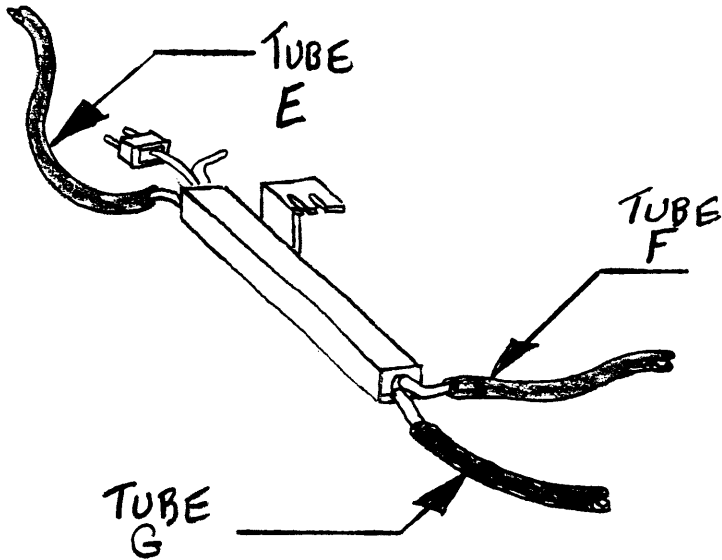
12. INSTALL COFFEE HEATER ASSEMBLY BETWEEN CLAMP AND INGREDIENT SHELF, USE NEW SCREWS.



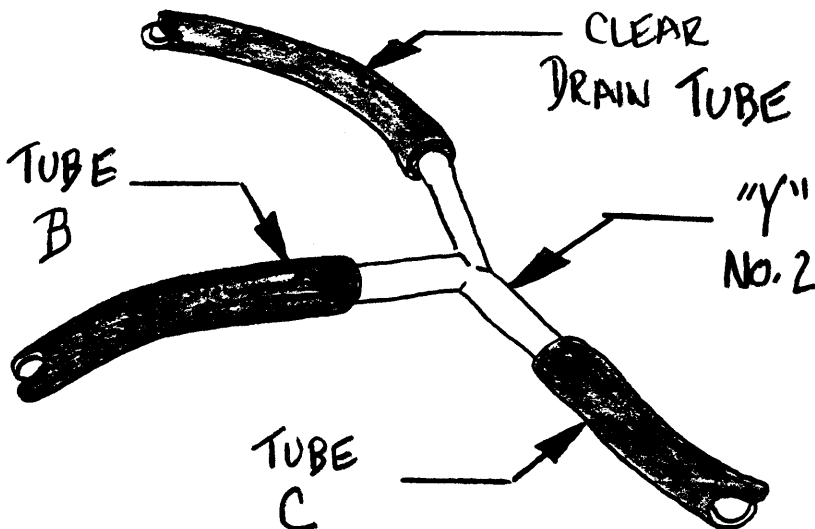
13. TUBE IDENTIFICATION.



6207017
TUBE & BRACKET
ASSEMBLY

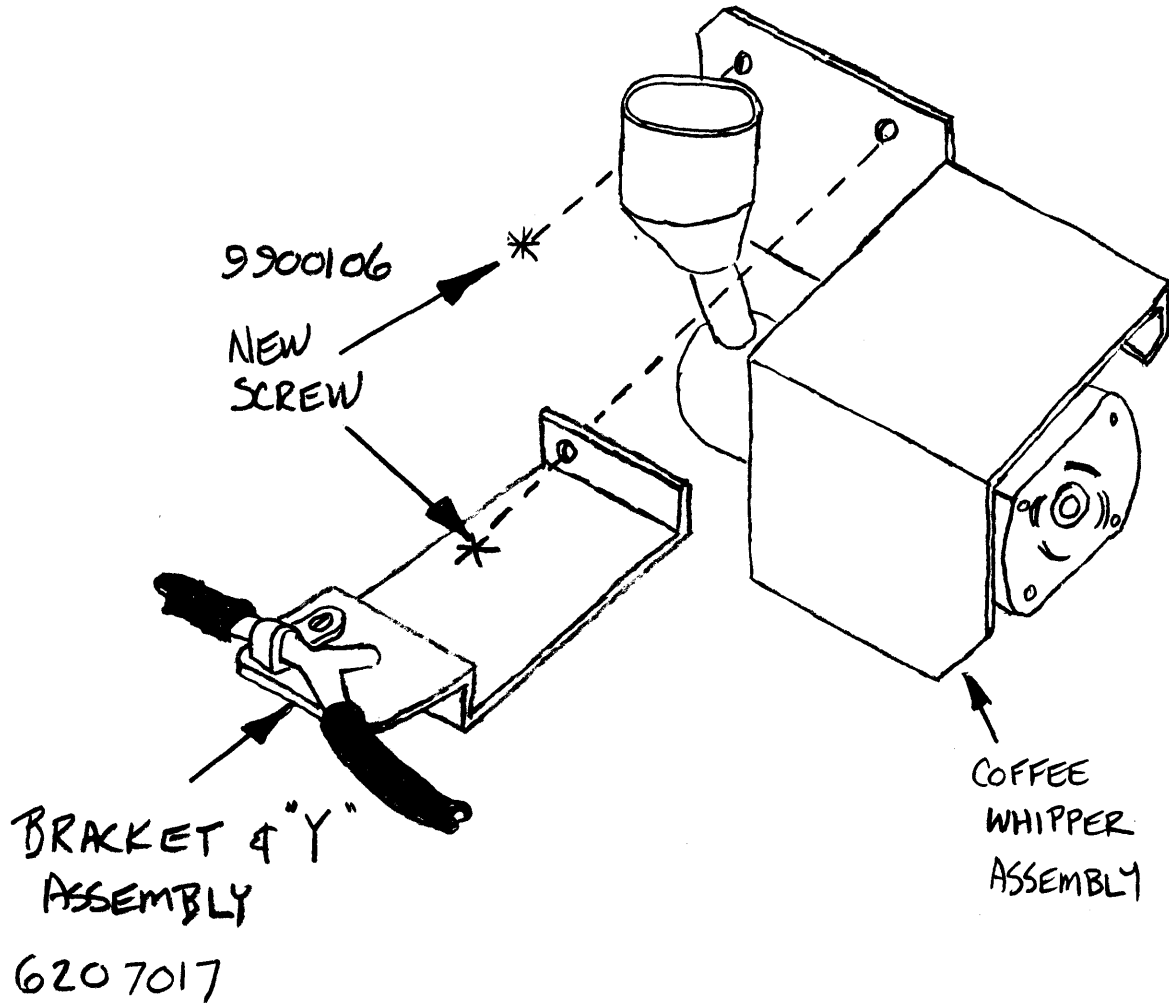


6207019
HEATER
ASSEMBLY

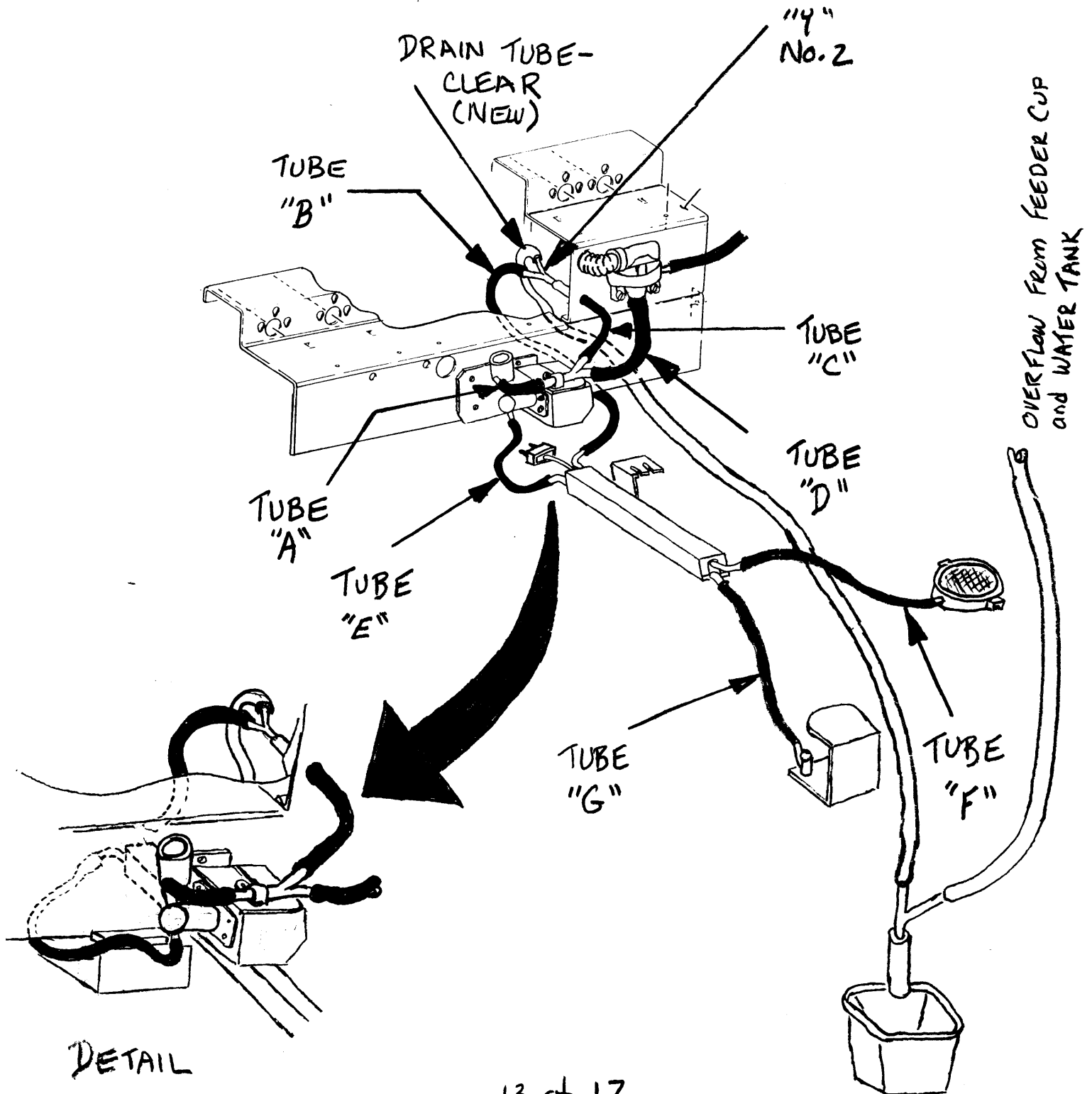


6208074
TUBE & "Y"
ASSEMBLY -
MIXING BOWLS

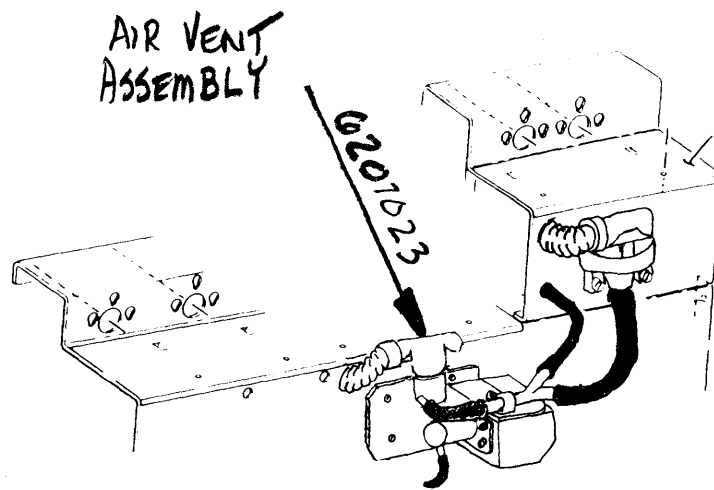
14. ATTACH BRACKET & "Y" ASSEMBLY AND COFFEE WHIPPER ASSEMBLY TO THE DRY INGREDIENT SHELF



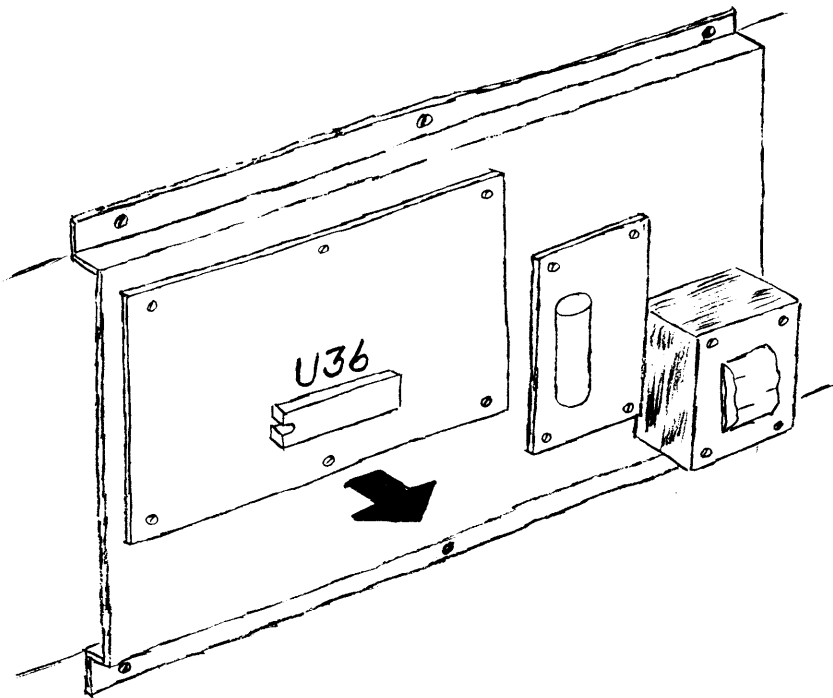
15. CONNECT TUBES "A", "B", "C", "D", "E", "F", "G",
THE NEW DRAIN TUBE and "Y" NO. 2 AS SHOWN



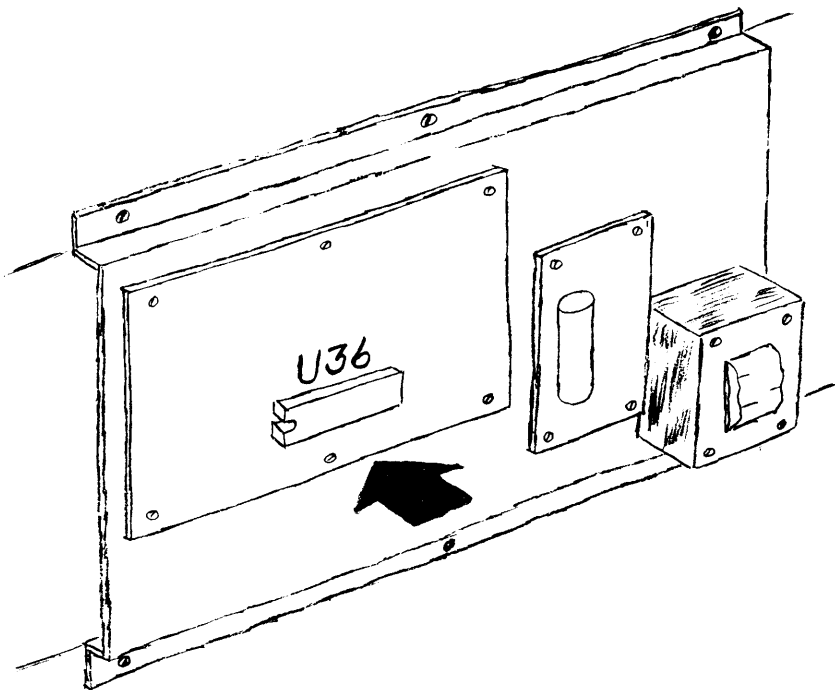
16. INSTALL THE AIR VENT ASSEMBLY ON THE COFFEE
IMPELLER FUNNEL.



17 REMOVE EPROM U36 FROM THE CABINET CONTROLLER.



18. INSTALL THE NEW U36 EPROM.
6201062



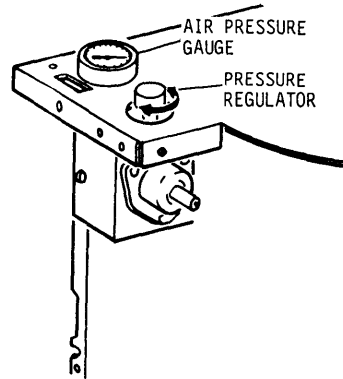
19. SET AIR COMPRESSOR TIME (6.00 SEC.).

TIME
BREWER

TM BREWER

COMP 6.00

ADJUST AIR PRESSURE 4-5 psi (27.6-34.5 KPa).



20. SET WATER TIMES FOR FRESH BREW COFFEE (1.50 SEC.)
AND FREEZE DRY COFFEE (4.50 SEC.).

TIME
WATER

TM WATER

FBCOF 1.50

FDCOF 4.50

21 SET INGREDIENT TIMES FOR THE FOLLOWING

| INGREDIENT | TIME - SEC. | THROW WEIGHT - Gram |
|------------------------|-------------|---------------------|
| FREEZE DRY DECAF | 1.65 | 1.8 |
| EXTRA FREEZE DRY DECAF | 1.80 | 2.0 |
| SUGAR | 1.20 | 8.0 |
| EXTRA SUGAR | 1.50 | 10.0 |
| WHITENER | 3.80 | 6.0 |
| EXTRA WHITENER | 5.20 | 8.0 |

TIME
INGRED

TM INGR

F0DEC 1.65

XF0DEC 1.80

SUG 1.20

X SUG 1.50

WTNR 3.80

X WTNR 5.20