

INSTALLATION INSTRUCTION SHEET FOR JACKSON OVER HEAD CENTER PIVOTED CONCEALED DOOR CLOSER-DOUBLE OR SINGLE ACTION WITH OR WITHOUT HOLD OPEN

STEP#1

CLOSER TO FRAME INSTALLATION

- ATTACH "F" CLIP WITH THREE SCREWS 1/4"-20x1/2" RHMS-SEMS TO HINGE JAMB OF FRAME. 85-5/8" FROM BOTTOM OF JAMB TO TOP OF CLIP.
- ASSEMBLE PIVOT BASE IN THRESHOLD, 2-11/16" FROM HINGE JAMB TO CENTERLINE OF PIVOT. PLACE BEARING CAP ON TOP OF PIVOT BASE AND SCREW INTO 1/2"-13 THREADED HOLE IN THRESHOLD AND SECURE WITH 1/2-13 JAMB NUT. ADJUST PIVOT BEARING UP OR DOWN AS REQUIRED.
- ASSEMBLE AND INSTALL FRAME IN USUAL MANNER.
- ATTACH 1-1/4" LEG OF "L" CLIP TO END OF CLOSER WITH TWO SCREWS 1/4-20x1/2 RHMS-SEMS INTO LUGS MAKING 1-1/2" LEG FLUSH WITH BOTTOM OF CLOSER.
- SLIDE CLOSER INTO TRANSOM BAR AND BACK INTO "F" CLIP, ANCHOR CLOSER IN TRANSOM WITH TWO (#10-24x3/8 FHMS) THROUGH "F" CLIP.
- ATTACH CLOSER COVER TO "L" CLIP WITH TWO (#10-24x3/8 FHMS) AND TWO (1/4-20x1-1/4 FHMS) THROUGH "F" CLIP.

STEP#2

DOOR PREPARATION

- INSERT ALIGNMENT SCREWS IN TOP ARM (20-2000) ONE FROM EACH SIDE. ATTACH TOP ARM TO RAIL WITH THREE SCREWS (1/4-28 x 1" RHMS), TIGHTEN, BUT DO NOT SECURE UNTIL DOOR HAS BEEN CENTERED (SEE STEP #4). BE SURE TO INSERT 1-1/2" REINFORCEMENT CHANNEL UNDER 1/4x1" HEX. HD. ADJUSTING ALIGNMENT CAP SCREWS.
- ATTACH BOTTOM BEARING PLATE WITH TWO SCREWS (1/4-20x1/2 RHMS-SEMS) LOCATE PIVOT BEARING CENTERLINE 2-5/8" FROM EDGE OF DOOR AND TIGHTEN SECURELY.

STEP#3

INSTALLATION OF DOOR

- BECAUSE THE CONCEALED CLOSER IS AN END-LOAD TYPE ROTATE THE SPINDLE 90° AND CLOSE CLOSING SPEED ADJUSTMENT VALVE. DO NOT TIGHTEN ANY MORE THAN REQUIRED. MOVE BOTTOM ARM INTO POSITION ON BOTTOM PIVOT ON THRESHOLD AND TOP ARM INTO POSITION ON CLOSER SPINDLE.
- INSERT ALIGNMENT SCREWS IN ATTACH BLOCK TO TOP ARM WITH TWO (5/16-18x1") SOCKET HEAD CAP SCREWS.
- PUT IN BLACK INSERT PLUGS AT TOP AND BASE OF WEATHERED HINGE STILE.

USAGE: 21-101-AE,EF,BV,UP TYP. KITS

STEP#4

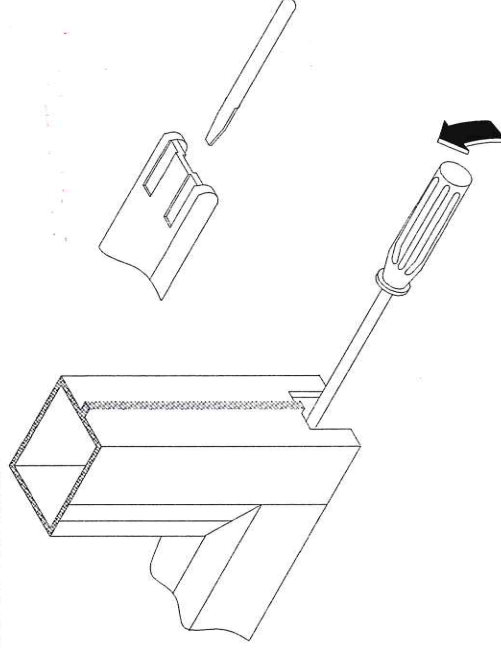
ALIGNMENT AND ADJUSTMENT

- CENTER DOOR BY ADJUSTING CAP SCREWS IN END OF TOP ARM UNTIL DOOR IS CENTERED WITH FRAME, NOW TIGHTEN THE THREE SCREWS (1/4-20x1" RHMS) IN TOP ARM ATTACHED IN STEP #2.
- ADJUST LATCHING SPEED, MAKE FINAL ADJUSTMENT AFTER DOOR HAS BEEN GLAZED. THE NORMAL SWEEP OR CLOSING SPEED IS PRESET AT FACTORY. FOR FINAL CLOSING ADJUSTMENT OF LATCHING SPEED, TURN SCREW CLOCKWISE TO SLOW DOWN CLOSING AND COUNTER CLOCKWISE TO SPEED UP CLOSING.

STEP#5

TO REMOVE DOOR

- REMOVE BLACK INSERT PLUGS FROM BOTTOM AND TOP AND TOP OF PIVOT STILE.
- WITH DOOR OPEN AT 90° REMOVE TWO HEX. BOLTS AND BLOCK FROM TOP CLOSER ARM.
- TO RELEASE BOTTOM PIVOT, PLACE A SCREW DRIVER BETWEEN KEEPER AND BOTTOM PIVOT ARM AND PUSH DOOR OFF PIVOT BEARING.



FILE NO.	DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED		APPROVALS		DATE
	DECIMAL DIMENSIONS .XX ± .010		APPROVED		
	DECIMAL DIMENSIONS .XXX ± .005		CHECKED		
	ANGULAR ± ° FRACTIONAL ± 1/64		DRAWN		
NEXT ASSY.	MATERIAL		SCALE		4.24.04
	FINISH		NONE		
QTY. USED	HEAT TREAT		INST. INSTR. C-HUNG		
			20-647,20-607 PORTIONS		
			SHEET 1 OF 1 SHEETS		
			DWG. NO. 10-091		
			REV. A		

jackson
CORPORATION

3447 UNION PACIFIC AVE.
LOS ANGELES, CALIF. 90023