

EC-97912-12

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*AMERICANS WITH DISABILITIES ACT

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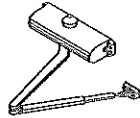
SURFACE MOUNTED CLOSERS

EC-97912-12

NOTES:

1. CLOSERS ARE PAINTED TO MATCH KAWNEER ANODIZED FINISHES OF #17, #29 AND #40.
2. NORTON 1601BF AND 8101 SERIES CLOSERS MEET ADA INTERIOR OPENING FORCE REQUIREMENTS.

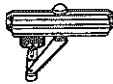
**DOR-O-MATIC SURFACE CLOSERS
(FOR OFFSET PIVOT OR BUTT HUNG DOORS)**



MODEL NUMBER	DESCRIPTION	KAWNEER PART NUMBER	PRICE
SC60	STANDARD ARM	137820-17	\$197.00
		137820-40	197.00
	HOLD-OPEN ARM	137821-17	214.00
		137821-40	214.00
SC60	PARALLEL ARM PLATE	137824-17	44.00
		137824-40	44.00

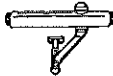
ACCESSORY & REPLACEMENT ITEMS FOR DOR-O-MATIC CLOSERS

**NORTON 1600 SURFACE CLOSER
(FOR OFFSET PIVOT AND BUTT HUNG DOORS)**



MODEL NUMBER	HOLD OPEN	1601 PART NUMBER (ADJUSTABLE 3-6)	1601BF PART NUMBER (ADJUSTABLE 1-4)	PRICE
1600 (ADJUSTABLE)	NO	050878-17	050878BF-17	\$166.00
	NO	050878-40	050878BF-40	166.00
	NO	050878-29	050878BF-29	166.00
	YES	050879-17	050879BF-17	179.00
	YES	050879-40	050879BF-40	179.00
	YES	050879-29	050879BF-29	179.00
8101 (ADJUSTABLE)	NO	037671-17		182.00
	NO	037671-40		182.00
	NO	037671-29		182.00
	YES	037672-17		212.00
	YES	037672-40		212.00
	YES	037672-29		212.00
8101 COVER	—	037673-17		17.00
	—	037673-40		17.00
	—	037673-29		17.00

**NORTON 8100 SURFACE CLOSER
(FOR OFFSET PIVOT AND BUTT HUNG DOORS)**



ACCESSORY & REPLACEMENT ITEMS FOR NORTON CLOSERS*

	DROP PLATE	ADAPTOR PLATE FOR PARALLEL ARMS 190-350 DOORS		SOFFIT PLATE	SOFFIT PLATE HOLD OPEN	REGULAR ARM	X-LGTH. ARM FOR FRAMES 5" TO 7 1/2"	X-LGTH. ARM FOR FRAMES 7 1/2" TO 9 1/2"	REGULAR ARM	X-LGTH. ARM FOR FRAMES 5" TO 7"	X-LGTH. ARM FOR FRAMES 7" TO 9 1/2"
FOR 1600 SERIES	037882	037883	037884	037885	037886	037887	037888	037889	037890	037891	037892
FOR 8100 SERIES	037674	037675	—								
PRICE	\$26.00	\$29.00	\$45.00	\$14.00	\$14.00	\$45.00	\$50.00	\$57.00	\$72.00	\$76.00	\$83.00

*ACCESSORIES ARE FINISHED TO MATCH KAWNEER ANODIZED FINISHES OF #17, #29 AND #40. SPECIFY FINISH AT TIME OF ORDERING.

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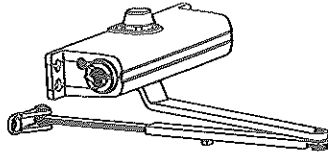
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SURFACE MOUNTED CLOSERS

NOTES:

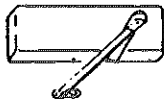
1. CLOSERS ARE PAINTED TO MATCH ANODIZED FINISHES OF #17, #29 AND #40.
2. LCN SERIES CLOSERS MEET ADA INTERIOR OPERING FORCE REQUIREMENTS.

**LCN 1260 SURFACE CLOSERS
(FOR OFFSET PIVOT OR BUTT HUNG DOORS)**



DESCRIPTION	MODEL NUMBER	HOLD OPEN	KAWNEER PART NUMBER	PRICE
		1260	NO	137807-17
	137807-40			260.00
	137807-29			260.00
	YES		137808-17	285.00
			137808-40	285.00
			137808-29	285.00
DESCRIPTION	LCN CATALOG NUMBER		KAWNEER PART NUMBER	PRICE
ADAPTOR PLATE REQUIRED FOR TOP JAMB APPLICATIONS WITH FLUSH CEILING	1260-18		137810-17	\$44.00
			137810-40	44.00
			137810-29	44.00
ADAPTOR PLATE REQUIRED FOR ALL PARALLEL ARM APPLICATIONS	1260-18PA		137811-17	44.00
			137811-40	44.00
			137811-29	44.00
OPTIONAL COVER (PLASTIC)	1260-72		137809-17	12.00
			137809-40	12.00
			137809-29	12.00
RETRO FIT KIT	1260-QF		137812-17	51.00
			137812-40	51.00
			137812-29	51.00

**LCN 4040 SURFACE CLOSERS
SUPER SMOOTHIE 4040 SERIES (SURFACE MOUNTED) INCLUDES 4040-62 P.A. SHOE**



MAXIMUM DOOR WIDTH	ADJUSTABLE HOLD OPEN RANGE	MAXIMUM SWING	LCN CATALOG NO.	KAWNEER PART NO.	LIST PRICE
3'0" TO	NONE	120°	P4041	035665-17	\$629.00
				035665-40	629.00
4'0"	90° TO 140°	140°	P4041	035666-17	702.00
				035666-40	702.00
ADAPTOR PLATES (select one)	USED ON ALL FRAME MOUNTED CLOSERS WITH TRANSOMS		4040-18TJ	035671-17 035671-40	76.00
	USED ON ALL SWING DOOR MOUNTED CLOSERS WITH TRANSOMS		4040-18	035667-17 035667-40	76.00
	USED ON FRAME MOUNTED CLOSERS WITHOUT TRANSOMS (350 & 500 DOORS ONLY)		4040-18G	035668-17 035668-40	76.00
	USED ON ALL OUTSWING 190 DOORS WITHOUT TRANSOMS AND OTHER PARALLEL ARM APPLICATIONS		4040-18PA	035669-17 035669-40	76.00

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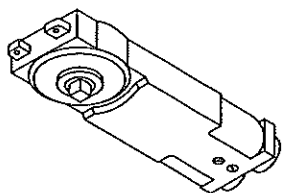
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CALIBRE® CONCEALED OVERHEAD CLOSERS⁽²⁾(3)

NOTES:

1. PIVOTING HARDWARE NOT INCLUDED.
2. CLOSERS S/A OFFSET ARM APPLICATION ARE AVAILABLE WITH NO HOLD OPEN OR 105° HOLD OPEN ONLY.
3. WHEN USING CLOSER IN A S/A OFFSET ARM APPLICATION, DOORS NOT TO EXCEED 3'6" IN WIDTH, DOORS EXCEEDING 27 SQUARE FEET IN SIZE SHOULD BE REVIEWED BY APPLICATION ENGINEERING.



MAXIMUM DOOR SIZE	SPRING TYPE	HOLD OPEN	PART NO.	PRICE
INTERIOR ⁽¹⁾	EXTRA LIGHT	NO	050921	\$235.00
		90°	050922	245.00
		105°	050923	245.00
2'-6" X 8'-0"	LIGHT	NO	050924	235.00
		90°	050925	245.00
		105°	050926	245.00
3'-6" X 8'-0"	MEDIUM	NO	050927	235.00
		90°	050928	245.00
		105°	050929	245.00
4'-0" X 8'-0"	HEAVY	NO	050930	235.00
		90°	050931	245.00
		105°	050932	245.00

REFERENCE CHART FOR APPROXIMATE OPENING FORCES

NOTE: FOR RETROFIT APPLICATIONS OF PRE 6/98 HUSKY CLOSERS, REFER TO SERVICE PARTS.

- (1) USE FOR INTERIOR APPLICATIONS ONLY. NOT TO BE USED FOR EXTERIOR APPLICATIONS.
- (2) ON CENTER PIVOT APPLICATIONS THE COC CLOSER WILL ALLOW THE DOOR TO SWING 105°. FOR APPLICATIONS WITH BACK TO BACK CP PUSH BARS, HEAVY TRAFFIC OR HIGH WINDS, THE USE OF AN ADDITIONAL DOOR STOP IS RECOMMENDED.

APPROXIMATE COC OPENING AND CLOSING FORCES

These forces are approximate and may vary depending on project conditions and installation.

	CENTER PIVOT DOUBLE ACTING						SINGLE ACTING OFFSET ARM					
	3' DOOR WIDTH		3'-6" DOOR WIDTH		4'-0" DOOR WIDTH		3' DOOR WIDTH		3'-6" DOOR WIDTH		4'-0" DOOR WIDTH	
	OPENING FORCE	CLOSING FORCE	OPENING FORCE	CLOSING FORCE	OPENING FORCE	CLOSING FORCE	OPENING FORCE	CLOSING FORCE	OPENING FORCE	CLOSING FORCE	OPENING FORCE	CLOSING FORCE
HEAVY	15 lbs.	9 lbs.	13 lbs.	7½ lbs.	11 lbs.	7 lbs.	17 lbs.	10 lbs.	14½ lbs.	8½ lbs.	N/A	N/A
MEDIUM	12 lbs.	7 lbs.	10 lbs.	6 lbs.	9 lbs.	5½ lbs.	14 lbs.	8½ lbs.	12 lbs.	7½ lbs.	N/A	N/A
LIGHT	9 lbs.	5½ lbs.	8 lbs.	5 lbs.	7 lbs.	4 lbs.	11 lbs.	6½ lbs.	9½ lbs.	6 lbs.	N/A	N/A
EXTRA LIGHT	7 lbs.	4½ lbs.	6 lbs.	3½ lbs.	5 lbs.	3 lbs.	8½ lbs.	5 lbs.	7½ lbs.	4½ lbs.	N/A	N/A

CLOSER SIZING NOTE: ALL CLOSER SIZING RECOMMENDATIONS ARE BASED ON AVERAGE CONDITIONS. OVERSIZE DOORS, DOORS WITH HEAVY INFILL OR DOORS THAT MAY BE SUBJECTED TO HIGH WIND CONDITIONS OR STACK PRESSURES, MAY REQUIRE LARGER SIZE CLOSERS. CLOSERS THAT ARE SIZED AND ADJUSTED TO MEET REDUCED OPENING FORCE REQUIREMENTS, MAY NOT HAVE SUFFICIENT POWER TO RELIABLY CLOSE AND LATCH EXTERIOR DOORS. REFER TO LOW ENERGY OPERATORS ON PAGE A3/9 FOR POWER ASSIST OPERATORS TO MEET REDUCED OPENING FORCE REQUIREMENTS WITHOUT AFFECTING CLOSING POWER.

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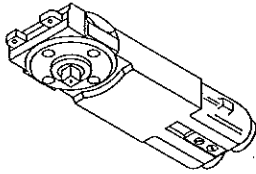
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INTERNATIONAL CONCEALED OVERHEAD CLOSERS⁽²⁾

NOTES:

1. ALL CLOSERS HAVE 105° DEADSTOP.
2. PIVOTING HARDWARE NOT INCLUDED.
3. WHEN USING SA-INT APPLICATION, ORDER (1) SIZE SMALLER CLOSER THAN NORMAL.



MAXIMUM DOOR SIZE	SPRING TYPE	HOLD OPEN	PART NO.	PRICE
INTERIOR ⁽¹⁾	LIGHT	NO	050746	\$180.00
		YES	050747	190.00
INTERIOR	MEDIUM	NO	050748	180.00
		YES	050749	190.00
2'-6"	LIGHT	NO	050750	180.00
		YES	050751	190.00
3'-0"	MEDIUM	NO	050752	180.00
		YES	050753	190.00
3'-6"	HEAVY	NO	050754	180.00
		YES	050755	190.00

- (1) USE FOR INTERIOR APPLICATIONS ONLY. NOT TO BE USED FOR EXTERIOR APPLICATIONS. MEETS ADA OPENING FORCE REQUIREMENTS FOR INTERIOR DOORS.
- (2) CLOSER SIZING NOTE: ALL CLOSER SIZING RECOMMENDATIONS ARE BASED ON AVERAGE CONDITIONS. OVERSIZE DOORS, DOORS WITH HEAVY INFILL OR DOORS THAT MAY BE SUBJECTED TO HIGH WIND CONDITIONS OR STACK PRESSURES, MAY REQUIRE LARGER SIZE CLOSERS. CLOSERS THAT ARE SIZED AND ADJUSTED TO MEET REDUCED OPENING FORCE REQUIREMENTS, MAY NOT HAVE SUFFICIENT POWER TO RELIABLY CLOSE AND LATCH EXTERIOR DOORS.
- (3) ON CENTER PIVOT APPLICATIONS THE COC CLOSER WILL ALLOW THE DOOR TO SWING 105°. FOR APPLICATIONS WITH BACK TO BACK CP PUSH BARS, HEAVY TRAFFIC OR HIGH WINDS, THE USE OF AN ADDITIONAL DOOR STOP IS RECOMMENDED.

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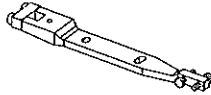


- NOTES:
 1. PRICES FOR HARDWARE LISTED ARE PER ITEM PRICES. I.E. SELECT (2) S/A OFFSET ARM CLOSER ARMS FOR A PAIR OF DOORS.

ARMS FOR CENTER PIVOTED CONCEALED CLOSERS

CENTER PIVOTED ARM & CLAMPING BLOCK ASSY.

(SELECT CALIBRE® OR INTERNATIONAL CONCEALED OVERHEAD CLOSER SEPARATELY)



END LOAD ARM PACKAGE (SHIP LOOSE)

050712

\$ 40.00

END LOAD - HARDWARE + DOOR PREP (APPLIED)

138061

125.00

FRAME PREP

138063

100.00

SIDE LOAD ARM PACKAGE (SHIP LOOSE)

050702

40.00

SIDE LOAD - HARDWARE + DOOR PREP (APPLIED)

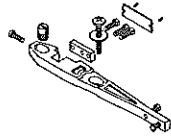
138062

125.00

FRAME PREP

138063

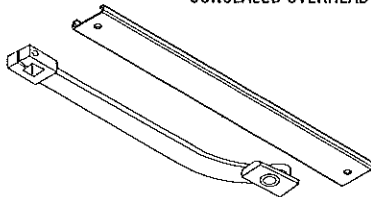
100.00



ARMS FOR OFFSET CONCEALED CLOSERS

SINGLE ACTING OFFSET ARM

(SELECT CALIBRE® OR INTERNATIONAL CONCEALED OVERHEAD CLOSER SEPARATELY)



PRICE INCLUDES:

1. TRACK, SHOCK ABSORBER AND ARM. ALL SHIPPED LOOSE. PREPARATION FOR ARM AND TRACK FOR DOORS, WHEN SELECTED.
2. FOR SA-INT APPLICATIONS DOOR IS PREPPED PER KAWNEER'S LAYOUT, NOT THE INTERNATIONAL TEMPLATE.
3. FRAME PREPARATION INCLUDES PRICE. ADD FOR UP-GRADE TO S/A OFFSET ARM OR SA-INT TRANSOM BAR/HEADER ASSEMBLY. PICK UP TRANSOM BAR/DOOR HEADER PER FOOT BASE PRICE FROM THE PER FOOT PRICING PAGES IN SECTION A2.

NOTE: CLOSERS IN S/A OFFSET ARM AND SA-INT APPLICATION ARE AVAILABLE WITH NO HOLD OPEN AND 105° HOLD OPEN ONLY.

OFFSET ARM PACKAGE (SHIP LOOSE)

050719

\$ 75.00

HARDWARE + DOOR PREP (APPLIED)

138064

160.00

FRAME PREP

138065

148.00

DOOR PREP ONLY

138068

105.00

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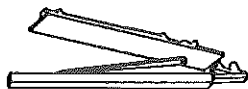
LCN CONCEALED OVERHEAD CLOSERS

LCN CONCEALED CLOSERS*

PRICING INFORMATION

1. SPECIFY DEGREE OF HOLD OPEN.
2. PIVOTING HARDWARE NOT INCLUDED.
3. CLOSERS ARE FOR USE WITH KAWNEER STANDARD BUTT, OFFSET PIVOTS AND CONTINUOUS HINGES USED ON RABBETED STILES (FOR OTHER BUTTS, OFFSET PIVOTS OR CONTINUOUS HINGES, CONSULT FACTORY FOR PRICING.)
4. PREPARATION CHARGES DO NOT INCLUDE HEADER OR TRANSOM BAR MOLDINGS.
5. DOOR WIDTHS SHOWN BELOW ARE FOR EXTERIOR DOORS. INTERIOR APPLICATIONS MAY REQUIRE LIGHTER CLOSERS.

LCN 2030 SERIES (CONCEALED ARM)
 FOR 1 3/4" X 4" (MINIMUM) HEADER OR TRANSOM BAR
 REQUIRES MINIMUM 1-3/8" WEB DEPTH DOOR TOP RAIL






MAXIMUM DOOR WIDTH	HOLD OPEN	LCN CATALOG NO.	HAND OF CLOSER	KAWNEER PART NO.	PRICE
UP TO 3'6"	NO	2035	R.H.	130885-17	\$1,305.00
				130885-40	1,305.00
				130885-29	1,305.00
			L.H.	130884-17	1,305.00
				130884-40	1,305.00
				130884-29	1,305.00
	YES	2035-H	R.H.	130887-17	1,340.00
				130887-40	1,340.00
				130887-29	1,340.00
			L.H.	130886-17	1,340.00
				130886-40	1,340.00
				130886-29	1,340.00

LCN 2030 PREP CHARGES

	PART NO.	PRICE
DOOR PREP	138066	\$105.00
FRAME PREP	138067	\$168.00

***DOOR STOP RECOMMENDATIONS**

FOR LCN 2030
 AUXILIARY STOP IS RECOMMENDED WHERE A DOOR CANNOT SWING 180°. OPTIONAL TRACK BUMPER ASSEMBLY ASSISTS BACKCHECK IN CUSHIONING THE OPENING SWING OF THE DOOR. IT IS NOT INTENDED TO REPLACE AN AUXILIARY STOP.

CONCEALED OVERHEAD CLOSER TRANSOM BAR HEADER (price per foot)		PART NO.	PRICE
 TRIFAB VG 400 (Center Plane)		4009128-17	\$28.25
		4009128-40	29.75
		4009128-29	31.50
 TRIFAB VG 450 (Center Plane)		4509128-17	\$31.25
		4509128-40	33.50
		4509128-29	36.00
 TRIFAB VG 451 (Center Plane)		4519128-17	\$31.25
		4519128-40	33.50
		4519128-29	36.00

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LCN CONCEALED OVERHEAD CLOSERS

EC-97912-12

LCN CONCEALED CLOSERS*

PRICING INFORMATION

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2. PIVOTING HARDWARE NOT INCLUDED.
3. CLOSERS ARE FOR USE WITH KAWNEER STANDARD BUTT, OFFSET PIVOTS AND CONTINUOUS HINGES USED ON RABBETED STILES (FOR OTHER BUTTS, OFFSET PIVOTS OR CONTINUOUS HINGES, CONSULT FACTORY FOR PRICING.)
4. SPECIAL ARM REQUIRED FOR 2 INCH THICK DOORS. SELECT APPROPRIATE CLOSER PART NUMBER FROM 2' DOOR COLUMN.
5. PREPARATION CHARGES DO NOT INCLUDE HEADER OR TRANSOM BAR MOLDINGS.
6. DOOR WIDTHS SHOWN BELOW ARE FOR EXTERIOR DOORS. INTERIOR APPLICATIONS MAY REQUIRE LIGHTER CLOSERS.

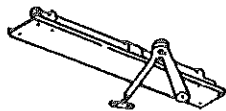
*DOOR STOP RECOMMENDATIONS

FOR LCN 5030

AUXILIARY STOP IS RECOMMENDED AT HOLD-OPEN POINT OR WHERE THE DOOR CANNOT SWING 180°.

LCN 5030 SERIES (EXPOSED ARM)

FOR 1 3/4" X 4 1/2" (MINIMUM) OR 2" X 4 1/2" HEADER OR TRANSOM BAR
REQUIRES MINIMUM 1-3/8" WEB DEPTH
DOOR TOP RAIL



MAXIMUM DOOR WIDTH	HOLD OPEN	LCN CATALOG NO.	HAND OF CLOSER	KAWNEER PART NO. (STD. 1 1/2" DR.)	KAWNEER PART NO. (2" DOOR)	PRICE
UP TO 3'0"	NO	5034	R.H.	038109-17	038079-17	\$ 1,225.00
				038109-40	038079-40	1,225.00
				038109-29	038079-29	1,225.00
	NO	5034	L.H.	038110-17	038080-17	1,225.00
				038110-40	038080-40	1,225.00
				038110-29	038080-29	1,225.00
	YES	5034-H	R.H.	038111-17	038081-17	1,290.00
				038111-40	038081-40	1,290.00
				038111-29	038081-29	1,290.00
	YES	5034-H	L.H.	038112-17	038082-17	1,290.00
				038112-40	038082-40	1,290.00
				038112-29	038082-29	1,290.00
UP TO 3'6"	NO	5035	R.H.	038113-17	038083-17	1,225.00
				038113-40	038083-40	1,225.00
				038113-29	038083-29	1,225.00
	NO	5035	L.H.	038114-17	038084-17	1,225.00
				038114-40	038084-40	1,225.00
				038114-29	038084-29	1,225.00
	YES	5035-H	R.H.	038115-17	038085-17	1,290.00
				038115-40	038085-40	1,290.00
				038115-29	038085-29	1,290.00
	YES	5035-H	L.H.	038116-17	038086-17	1,290.00
				038116-40	038086-40	1,290.00
				038116-29	038086-29	1,290.00
UP TO 4'0"	NO	5036	R.H.	038117-17	038087-17	1,225.00
				038117-40	038087-40	1,225.00
				038117-29	038087-29	1,225.00
	NO	5036	L.H.	038118-17	038088-17	1,225.00
				038118-40	038088-40	1,225.00
				038118-29	038088-29	1,225.00
	YES	5036-H	R.H.	038119-17	038089-17	1,290.00
				038119-40	038089-40	1,290.00
				038119-29	038089-29	1,290.00
	YES	5036-H	L.H.	038120-17	038090-17	1,290.00
				038120-40	038090-40	1,290.00
				038120-29	038090-29	1,290.00

LCN 5030 PREP CHARGES

	PART NO.	PRICE
FRAME PREP	138067	\$168.00

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102 E. Fields Street
Dallas, NC 28034
Ph. 704-917-0880
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STOCKED CLOSERS

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SURFACE CLOSERS

DORMA 7304	CLEAR or BRONZE
SINGLE.....	\$ 40.00 EACH
BOXES OF 6	\$ 36.00 EACH
DROP PLATES	\$ 11.00 EACH

CONCEALED OVERHEAD CLOSERS

SENTINEL S3030 w/REGULAR ARM	
EACH.....	\$ 130.00
OFFSET ARM ASSEMBLY.....	\$ 50.00
JACKSON 20-330 w/ENDLOAD ARM	
EACH.....	\$ 170.00

OTHER NON-STOCKED CLOSERS ARE
AVAILABLE ON PREVIOUS PAGES