ack No.	ITEM	QTY	DESCRIPTION	PART NO.	MM PART NO.	NOTE		
	8	1	INSTALLATION INSTRUCTION	12469068	983-69068			
1	28	2	WASHER	2436167	983-0006			
2				B1821BH075C550N	983-0043			
2	33 24	2 6	SCREW	M45913\4-10CG8Z	983-0047	1		
3		6	SCREW	B1821BH063C400N	983-0008	1		
3	32							
4	25	2	NUT	M45913\4-12CG8Z 2436168	983-0010 983-0011			
4 5	29	2 3	WASHERSPACER	12469395	983-92-52000			
	18 22	4	NUT	M45913\4-6CG8Z	983-0025	1		
5		3	BOLT	B1821BH038C175N	983-0020	+		
5	31				983-0018			
6	1	1	CONNECTOR	8741492				
6	21	1	ADAPTER	MS27147-1	983-0019			
6	23	4	NUT	M45913/4-8CG8Z	983-0003			
7	26	1	BREAKER	AA55571\01-001	983-0014			
7	27	2	SCREW	449617	983-0015			
	4	1	WIRE	12469065-1	983-93-50071			
8	19	7	STRAPS	MS3367-1-0	983-0016			
8	5	1	WIRE	12469065-2				
9	30	4	SCREW	9406088	983-0013	-		
9			HOSE	12469392-4	983-88-00C47			
10	14	1	HOSE	12407372-4		+		
11		2	O-RING, HOSES	12340395	983-0012			
12	13	1	HOSE	12469392-3	983-88-00C36			
13	6	1	DECAL	12469066	983-0021			
14	7	1	DECAL	12469067	983-0022			
15	20	6	WIRE TIE	MS3367-7-7-0	983-0017			
	10	1	HAND CONTROLLER	12469356-1	983-74-1001	1		
16 17	3	1	PLUG CONTROLLER	12469064	983-74-1002	1		
18	11	1	U-END	12469357	983-90-50201			
19	15	1	BRACKET LH	12469393-1	983-0004	1		
20	16	1	BRACKET RH	12469393-2	983-0005	1		
21	9	1	SNATCH BLOCK & SHACKLE	12469355	983-60-50085-A	1		
21	17	1	STRAP	12469394	983-60-50089	1		
22	2	1	BRACKET	12460270-1	983-12460270-1	-		
23	2	1				1		
	12	1	WINCH, VALVE, BUMPER	12469358	983-75-50050CVB	1		
22 23 NOTE	2	1	BRACKET WINCH, VALVE, BUMPER	12460270-1 12469358	983-12460270-1 983-75-50050CVB			
	CODE OG	ZB7		ABUSED WORLD WI	2121 Blount Road			
	ICATIO	N	CAGE CODE		Pompano Beach			
				Cross	s-Referen	ice		
57K35 HYDRAU		, ACCESSOR	V KIT, BUMPER					

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LTR				DESC	BIPTION							DATE	E (YR-MC	O-DA)	AP	PROVED
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FICATION A. MIL-S				1	1	CON	NECT	OR			-	87414	92			
2. THIS KIT				2	1	BRA	CKET					12460270-1				
1-1/4 TON AND M99	1-1/4 TON TRUCK, M998, M998A1, AND M998A2 SERIES, LESS M996, M996A1, M997, M997A1, M997A2, M1035, M1035A1, AND M1035A2. 3. THIS KIT IS TO BE INSTALLED IN			3	1	PLUC	G, CO1	NTR	OLLI	ER		12469064				
M996A1,				4	1	WIRE	VIRE, LEAD			12469	065-1					
-				5	1	WIRE				12469065-2						
ACCORD	ANCE WITH IN TIONS 124690	NSTA		N 6	1	DEC				12469066						
4. CAGE CO		<i>MN</i> 24		7	1	DEC	DECAL			12469	067					
5. IAW A-A-				8	1	INST	STALLATION INSTRUCTIONS			12469	068					
6. IAW AS3	3671			9	1	BLO	OCK, SNATCH			12469355						
7. IAW ANS	B18.2.1			10	1		CH AS			Y		12469356-1				
	DTL-45913/4			11	1	TUBE	ASS	EM	BLY			12469357				
	11.1.5 B															-
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OF SHEETS	SHEET	1	2													
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NEXT ASSY	USED ON	-	ENGINEE		ORP. Inical serv	ICES DIV.										
	M1045A2	-	DRAWN BY	MICHIGAN	CHIGAN					CESS		-				
	M1045A2		HD			IGINEER J. RADTKE			H	YDR/	<b>\ULI</b>	C 10	,50			
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12340789	M966A1/	[	DRAWING	APPROVAL	-11-19		SIZE A			E CODE 207		57	K:	35	41	
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9, SHOWN ON D-13.323 0. SHOWN ON D-13.324	ITEM NO.	QTY	DESCRIPTION	PART NO.	NOT		
1. SHOWN ON VF-15.111	12	1	WINCH AND BUMPER	12469358			
	13	1	HOSE ASSEMBLY	12469392-3			
	14	1	HOSE ASSEMBLY	12469392-4			
	15	1	BRACKET, SUPPORT	12469393-1			
	16	1	BRACKET, SUPPORT	12469393-2			
	17	1	STRAP	12469394			
	18	3	SPACER	12469395			
	19	7	STRAP, TIEDOWN	MS3367-1-0	6		
	20	6	STRAP, TIEDOWN	MS3367-7-0	6		
	21	1	ADAPTER	MS27147-1			
	22	5	NUT	M45913/4-6CG8Z	8		
	23	4	NUT	M45913/4-8CG8Z	8		
	24	6	NUT	M45913/4-10CG8Z	8		
	25	2	NUT	M45913/4-12CG8Z	8		
	26	1	BREAKER, CIRCUIT	AA55571/01-001	5		
	27	2	SCREW	449617	4,9		
	28	2	WASHER	2436167	4,11		
	29	2	WASHER	2436168	4,11		
	30	4	SCREW	9406088	4,10		
	31	3	SCREW	B1821BH038C175N	7		
	32	6	SCREW	B1821BH063C400N	7		
	33	2	SCREW	B1821BH075C550N	7		
ACCESSORY KIT, WINCH,	SIZE A		207 5	7K3541			
HYDRAULIC 10,500 LB	1 1	(AMG U1805) 02-10-09 REVISION LEVEL A S					

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NOT 1.	APPLICA			ARD	S/SPE	CIFIC	ATIO	NS:												
	CALLOU * NEW   # PARTS	PARTS S TO B	INCL E REI	UDE Nove	d in K Ed An	it D Dis	CAR													
3	PART OF	12469	064 C	ONTI	ROLLE	ER PL	.UG													
4.	ALL DIM	ENSION	IS AR	E IN	INCH	ES.														
<b>(5</b> )	PART OF	12469	392-4	HOS	E ASS	EMB	LY													
<b>(6)</b>	PART OF	12469	392-3	HOS	E ASS	SEMB	LY													
1-1.	PURPOS OF 10,56 SERIES,	)0 LB H	<b>IYDR</b>	AULI	SE OF C WIN	10,5 S THES	SECT	SSOR	IYDI ESS I. IN CTION Y KIT	RAU ORY TRO	ILIC Y KI DUC TO PI -1/4 T		ICH	PROC	<b>8, M</b> 9	98A1				'n
	REV	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Α	A	A	A	
	Shieet	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
RE	V STATUS	R	EV	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
QF	SHEETS	SH	EET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
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		CATIO	N		DAA	E07-99	9-C-S				0.5	-						E CU 7-500		AND
NE	XT ASSY	USED ON AM GENERAL CORP.					<u> </u>						4033	-3000						
	M1045A2 ENGINEERING & TECHNICAL SERVICES DIV. LIVONIA, MICHIGAN						INS	TALI	ATIC	<b>DN</b>	<b>NS</b>	RUC	CTIO	NS,						
		M104	3A2		DRAWN BY DATE (YR-MO-DA)						10,	500	LB	HYD	RAL	ILIC	WIN	ICH		
		M102	5A2 H.D. 98-03-30 CHECKER ENGINEER						A	CCE	SSC	)RY	KIT	57K	354	1				
		M109	7A2		S.M.L. J. RADTKE															
57K3	541	M966	A1		wGr	CAWING APPROVAL				A		920			12	46	90	68	6	
MATL E	D.F.	Ar	w			Kor		2-1	1-1	2	SCA		NE	UNIT	WT			SHE	ET 1 C	)F 35

#### 2-1. NEW MATERIAL. INSTALLATION KIT 57K3541 CONTAINS THE FOLLOWING ITEMS: QTY. NOMENCLATURE PART NO. 1 CONNECTOR 8741492 1 BRACKET 12460270-1 1 PLUG, CONTROLLER 12469064 WIRE, LEAD 12469065-1 WIRE, LEAD 12469065-2 DECAL 12469066 DECAL 12469067 INSTALLATION INSTRUCTIONS 12469068 **BLOCK, SNATCH** 12469355 SWITCH ASSEMBLY 12469356-1 TUBE ASSEMBLY 12469357 WINCH AND BUMPER 12469358 1 HOSE ASSEMBLY 12469392-3 HOSE ASSEMBLY 12469392-4 1 BRACKET, SUPPORT 12469393-1 BRACKET, SUPPORT 12469393-2 1 STRAP 12469394 3 SPACER 12469395 7 STRAP, TIEDOWN MS3367-1-0 6 STRAP, TIEDOWN MS3367-7-0 1 ADAPTER MS27147-1 5 NUT M45913/4-6CG8Z 4 NUT M45913/4-8CG8Z 6 NUT M45913/4-10CG8Z 2 NUT M45913/4-12CG8Z 1 BREAKER, CIRCUIT AA55571/01-001 2 SCREW 449617 2 WASHER 2436167 2 WASHER 2436168 4 SCREW 9406088 3 SCREW B1821BH038C175N 6 SCREW B1821BH063C400N 2 SCREW B1821BH075C550N 2-2. THE FOLLOWING MATERIAL IS REQUIRED, BUT IS NOT INCLUDED IN KIT: QTY. NOMENCLATURE PART NO. A/R SEALING COMPOUND 737RTV A/R SEALING COMPOUND MIL-S-46163 TY.I GR.K 2-3. EXISTING MATERIAL. ALL MATERIAL REMOVED AND NOT REUSED DURING INSTALLATION WILL BE RETURNED TO STOCK FOR DISPOSITION IN ACCORDANCE WITH AR 725-50. CAGE CODE SZE 12469068 INSTALLATION INSTRUCTIONS, 19207 A **10,500 LB HYDRAULIC WINCH** ACCESSORY KIT 57K3541 02-10-09 **REVISION LEVEL** A SHEET 2 (AMG U1805)

# SECTION II. INSTALLATION KIT

# SECTION III. INSTALLATION PROCEDURE

3-1. VEHICLE PREPARATION.

- A. APPLY VEHICLE PARKING BRAKE. (REFER TO TM 9-2320-280-10.)
- B. DISCONNECT BATTERY GROUND CABLE. (REFER TO TM 9-2320-280-20.)
- C. REMOVE FRONT BUMPER AND TOWING BRACKETS. (REFER TO TM 9-2320-280-20.)
- D. REMOVE WINCH CONTROL BOX, IF APPLICABLE. (REFER TO TM 9-2320-280-20.)
- E. REMOVE FRAME EXTENSIONS, IF APPLICABLE. (REFER TO TM 9-2320-280-20.) (REMOVAL OF HOOD IS NOT REQUIRED.)

## NOTE

PERFORM STEPS F THROUGH J FOR ALL M998A2 SERIES WITH BRAKE PROTECTION GUARDS.

- F. REMOVE TWO NUTS, FOUR WASHERS, TWO SCREWS, AND LEFT FRONT BRAKE PROTECTION GUARD FROM BRACKETS AS SHOWN IN FIGURE 1.
- G. REMOVE NUT, TWO WASHERS, SCREW, AND BRACKET FROM FRONT CROSSMEMBER AS SHOWN IN FIGURE 1.
- H. REMOVE NUT, TWO WASHERS, SCREW, AND BRACKET FROM FRONT INTERMEDIATE CROSSMEMBER AS SHOWN IN FIGURE 1.
- I. REMOVE TWO NUTS, FOUR WASHERS, TWO SCREWS, AND RIGHT FRONT BRAKE PROTECTION GUARDS FROM BRACKET AS SHOWN IN FIGURE 1.
- J. REMOVE TWO NUTS, FOUR WASHERS, TWO SCREWS, AND BRACKET FROM FRONT CROSSMEMBER AS SHOWN IN FIGURE 1.

NOTE

# PERFORM STEP K FOR VEHICLES WITH UNDERBODY PROTECTION KIT INSTALLED.

K. REMOVE THREE NUTS, SIX WASHERS, THREE SCREWS, AND FRONT SKID PLATE FROM FRONT SHIELD AS SHOWN IN FIGURE 2.

NOTE

PERFORM STEPS L AND M FOR ALL M998A2 SERIES WITHOUT WINCH.

- L REMOVE THREE NUTS, SCREWS, SIX WASHERS, AND RIGHT INNER MOUNTING BRACKET FROM FRAME RAIL AS SHOWN IN FIGURE 3.
- M. REMOVE THREE NUTS, SCREWS, SIX WASHERS, AND LEFT INNER MOUNTING BRACKET FROM FRAME RAIL AS SHOWN IN FIGURE 3.
- N. REMOVE RIGHT FRONT SUSPENSION BRACE. (REFER TO TM 9-2320-280-34.)

NOTE

FOR EASE OF INSTALLATION FOR WINCH AND BUMPER ASSEMBLY, INSTALL SCREW WITH ABOUT THREE THREADS THROUGH FRONT CROSSMEMBER.

0. INSTALL EXISTING WASHER AND B1821BH075C550N SCREW IN RIGHT LOWER CONTROL ARM AND FRONT CROSSMEMBER AS SHOWN IN FIGURE 4.

INSTALLATION INSTRUCTIONS, 10,500 LB HYDRAULIC WINCH ACCESSORY KIT 57K3541	size A	CAGE CODE 19207	124690	68
	(AMG	U1805) 02-10-	-09 REVISION LEVE	L A SHEET 3

# PERFORM STEP P FOR ALL M998A2 SERIES.

- P. REMOVE TWO SCREWS, WASHERS, CALIPER, AND YOKE FROM ADAPTER AS SHOWN IN FIGURE 5. SUPPORT CALIPER AND YOKE.
- Q. REMOVE LEFT FRONT SUSPENSION BRACE. (REFER TO TM 9-2320-280-34.)

NOTE

# FOR EASE OF INSTALLATION FOR WINCH AND BUMPER ASSEMBLY, INSTALL SCREW WITH ABOUT THREE THREADS THROUGH FRONT CROSSMEMBER.

R. INSTALL EXISTING WASHER AND B1821BH075C550N SCREW IN LEFT LOWER CONTROL ARM AND FRONT CROSSMEMBER AS SHOWN IN FIGURE 4.

NOTE

# PERFORM STEP S FOR ALL M998A2 SERIES.

- S. APPLY MIL-S-46163 SEALING COMPOUND TO THREADS OF TWO EXISTING SCREWS AND INSTALL CALIPER AND YOKE ON ADAPTER WITH TWO EXISTING WASHERS AND SCREWS AS SHOWN IN FIGURE 5.
- T. REMOVE WINCH VENT LINE, IF APPLICABLE. (REFER TO TM 9-2320-280-20.)

NOTE

PERFORM STEPS U AND V FOR VEHICLES THAT HAD WINCH VENT LINES.

- U. REMOVE UNION TEE AND TUBE FROM FRONT VENT LINE UNION TEE AND AIR CLEANER VENT LINE AS SHOWN IN FIGURE 6.
- V. CONNECT AIR CLEANER VENT LINE TO UNION TEE ON FRONT VENT LINE AS SHOWN IN FIGURE 6.
- 3-2. WINCH INSTALLATION.
  - A. INSTALL 12469393-1 SUPPORT BRACKET TO FRAME RAIL WITH THREE B1821BH063C400N SCREWS, SIX EXISTING WASHERS, 2436167 WASHER, 243616B WASHER, AND THREE M45913/4-10CG8Z NUTS AS SHOWN IN FIGURE 7.
  - B. INSTALL 12469393-2 SUPPORT BRACKET TO FRAME RAIL WITH THREE B1821BH063C400N SCREWS, SIX EXISTING WASHERS, 2436167 WASHER, 2436168 WASHER, AND THREE M45913/4-10CG8Z NUTS AS SHOWN IN FIGURE 7.

#### WARNING

WINCH AND BUMPER MUST BE SUPPORTED DURING INSTALLATION. FAILURE TO SUPPORT WINCH MAY RESULT IN INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT.

- C. POSITION 12469358 WINCH AND BUMPER ON LEFT AND RIGHT LOWER CONTROL ARM SCREWS B1821BH075C550N, PUSH SCREWS THROUGH BUMPER, AND SECURE WITH EXISTING WASHERS AND M45913/4-12CG8Z NUTS AS SHOWN IN FIGURE 8. DO NOT TIGHTEN NUTS.
- D. SECURE BUMPER AND TWO EXISTING TOW BRACKETS TO LEFT AND RIGHT SUPPORT BRACKETS WITH FOUR EXISTING SCREWS, EIGHT WASHERS, AND FOUR M45913/4-8CG8Z NUTS AS SHOWN IN FIGURE 8.

INSTALLATION INSTRUCTIONS, 10,500 LB HYDRAULIC WINCH ACCESSORY KIT 57K3541	SIZE A	CAGE CODE 19207	12469068
ACLOUTINI DI ROUTI	(AMG U	1805) 02-10-0	9 REVISION LEVEL A SHEET 4

E.	<b>TIGHTEN NU</b>	<b>TS INSTALLED</b>	IN STEP C AS	<b>SHOWN IN FIGURE 8</b>
	A LAND C COMPLEX TAXAN	a set in the set of th		

PERFORM STEP F FOR VEHICLES WITH UNDERBODY PROTECTION INSTALLED.

F. SECURE FRONT SHIELD TO BUMPER WITH THREE B1821BH038C175N SCREWS, 12469395 SPACERS, SIX EXISTING WASHERS, AND THREE M45913/4-6CG8Z NUTS AS SHOWN IN FIGURE 9.

HOTE

PERFORM STEPS G THROUGH I FOR ALL M99BA2 SERIES WITH BRAKE PROTECTION GUARDS.

- G. INSTALL 12460270-1 BRACKET ON FRONT INTERMEDIATE CROSSMEMBER WITH EXISTING SCREW, TWO WASHERS, AND M45913/4-6CG8Z NUT AS SHOWN IN FIGURE 10.
- H. SECURE LEFT AND RIGHT BRAKE PROTECTION GUARDS TO BUMPER WITH THREE B1821BH038C175N SCREWS, 12469395 SPACERS, SIX EXISTING WASHERS, AND THREE M45913/4-6CG8Z NUTS AS SHOWN IN FIGURE 10.
- I. SECURE LEFT BRAKE PROTECTION GUARD TO BRACKET WITH EXISTING SCREW, TWO WASHERS, AND M45913/4-6CG8Z NUT AS SHOWN IN FIGURE 10.

# 3-3. WINCH ELECTRICAL INSTALLATION.

- A. OPEN HOOD. (REFER TO TM 9-2320-280-10.)
- B. INSTALL 8741492 CONNECTOR TO MS27147-1 ADAPTER AS SHOWN IN FIGURE 11.

NOTE

PERFORM STEPS C THROUGH E FOR M998 AND M998A2 SERIES EXCEPT M1097 VEHICLES.

- C. DISCONNECT LEAD 458A FROM LEAD 458 AS SHOWN IN FIGURE 11.
- D. CONNECT LEAD 458 TO CONNECTOR AS SHOWN IN FIGURE 11.
- E. CONNECT LEAD 458A TO ADAPTER AS SHOWN IN FIGURE 11.

## NOTE

PERFORM STEPS F THROUGH H FOR M998A1 SERIES AND M1097 VEHICLES.

- F. DISCONNECT LEAD 458D FROM LEAD 458 AS SHOWN IN FIGURE 11.
- G. CONNECT LEAD 458 TO CONNECTOR AS SHOWN IN FIGURE 11.
- H. CONNECT LEAD 458D TO ADAPTER AS SHOWN IN FIGURE 11.
- I. USING AA55571/01-001 CIRCUIT BREAKER AS A TEMPLATE, LOCATE AND MARK TWO HOLE LOCATIONS ON LEFT TOP COWL AS SHOWN IN FIGURE 12. REMOVE CIRCUIT BREAKER.
- J. DRILL TWO 0.136-INCH DIAMETER HOLES IN LEFT TOP COWL MARKED IN STEP I AS SHOWN IN FIGURE 12.
- K. SECURE CIRCUIT BREAKER TO LEFT TOP COWL WITH TWO 449617 SCREWS AS SHOWN IN FIGURE 12.
- L. CONNECT 12469065-1 LEAD WIRE LEAD 458/785B TO ADAPTER AND LEAD 785B TO CIRCUIT BREAKER AS SHOWN IN FIGURES 11 AND 12.

INSTALLATION INSTRUCTIONS, 10,500 LB HYDRAULIC WINCH ACCESSORY KIT 57K3541	size A	cage code 19207	12469068
	(AMG	U1805) 02-10	09 REVISION LEVEL A SHEET 5

М.	SECURE LEAD WIRE TO ENGINE HARNESS WITH FOUR MS3367-1-0 TIEDOWN STRAPS AS SHOWN
	IN FIGURE 11.

- N. CONNECT 12469065-2 LEAD WIRE LEAD 785B TO CIRCUIT BREAKER AND ROUTE UNDER HYDRAULIC HOSES, BETWEEN FUEL DRAIN HOSE AND LEFT INNER COWL, AND BODY WIRING HARNESS TO WINCH AS SHOWN IN FIGURE 13.
- O. LOCATE, MARK, AND DRILL 0.937-INCH DIAMETER HOLE IN BODY PANEL AS SHOWN IN FIGURE 14.

### CAUTION

ENSURE CONTROLLER PLUG DOES NOT CONTACT ANY MOVING PARTS.

- P. ROUTE 12469064 CONTROLLER PLUG THROUGH HOLE IN BODY PANEL, DRILLED IN STEP O, AROUND FUEL FILTER, ALONG BODY WIRING HARNESS, UNDER STEERING SHAFT, TO FRAME RAIL AND BODY WIRING HARNESS TO WINCH AS SHOWN IN FIGURE 15.
- Q. USING CONTROLLER PLUG AS A TEMPLATE, DRILL 0.089-INCH DIAMETER HOLE IN BODY PANEL AND SECURE CONTROLLER PLUG WITH BLIND SPLINE AT TOP TO BODY PANEL WITH 9406088 SCREW AS SHOWN IN FIGURE 16.
- R. USING CONTROLLER PLUG AS A TEMPLATE, DRILL THREE REMAINING 0.089-INCH DIAMETER HOLES IN BODY PANEL AND SECURE CONTROLLER PLUG, CAP, AND CHAIN TO BODY PANEL WITH THREE 9406088 SCREWS AS SHOWN IN FIGURE 16.

3-4. HYDRAULIC HOSE INSTALLATION.

- A. LOOSEN INLET AND OUTLET BANJO FITTINGS ON WINCH MOTOR AS SHOWN IN FIGURE 21.
- B. ROUTE 12469392-4 HOSE ASSEMBLY BETWEEN HYDRO-BOOST AND MASTER CYLINDER OVER POWER STEERING GEAR AND DIFFERENTIAL TO WINCH INLET PORT AS SHOWN IN FIGURE 17.

NOTE

ENSURE AREA AROUND HYDRO-BOOST PORT IS CLEAN BEFORE REMOVING POWER STEERING HOSE.

C. DISCONNECT POWER STEERING HOSE FROM HYDRO-BOOST AND REMOVE O-RING AS SHOWN IN FIGURE 17.

NOTE

# LUBRICATE O-RING PRIOR TO INSTALLATION.

- D. REMOVE O-RING FROM HOSE ASSEMBLY 12469392-4, LUBRICATE O-RING WITH DEXRON® III, INSTALL ON HOSE ASSEMBLY 12469392-4 AND CONNECT HOSE TO HYDRO-BOOST AS SHOWN IN FIGURE 17.
- E. ROUTE 12469392-3 HOSE ASSEMBLY ALONG SIDE HOSE ASSEMBLY 12469392-4 TO WINCH AND CONNECT TO OUTLET PORT ON WINCH AS SHOWN IN FIGURE 18.

NOTE

ENSURE AREA AROUND POWER STEERING GEAR PORT IS CLEAN BEFORE REMOVING POWER STEERING HOSE.

F. REMOVE POWER STEERING HOSE AND O-RING FROM POWER STEERING GEAR AS SHOWN IN FIGURE 18.

INSTALLATION INSTRUCTIONS, 10,500 LB HYDRAULIC WINCH ACCESSORY KIT 57K3541	size A	CAGE GODE 19207		1246906	68	
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## LUBRICATE O-RING PRIOR TO INSTALLATION.

- G. REMOVE O-RING FROM HOSE ASSEMBLY 12469392-3, LUBRICATE O-RING WITH DEXRON<sup>®</sup> III, INSTALL ON HOSE ASSEMBLY 12469392-3 AND CONNECT HOSE TO POWER STEERING GEAR AS SHOWN IN FIGURE 18.
- H. TIGHTEN INLET AND OUTLET BANJO FITTINGS ON WINCH MOTOR TO 35 LB-FT AS SHOWN IN FIGURE 21.
- I. INSTALL 12469066 DECAL ON BODY PANEL AS SHOWN IN FIGURE 19.
- J. INSTALL 12469067 DECAL ON FAIRLEAD BRACKET AS SHOWN IN FIGURE 20.

3-5. FINAL PREPARATION.

- A. CONNECT LEAD WIRE 12469065-2 LEAD 785B TO CONTROLLER PLUG LEAD 785B AS SHOWN IN FIGURE 21.
- B. CONNECT CONTROLLER PLUG LEAD 785A TO WINCH LEAD 785A AS SHOWN IN FIGURE 21.
- C. CONNECT CONTROLLER PLUG LEAD 785C TO WINCH LEAD 785C AS SHOWN IN FIGURE 21.
- D. SECURE WINCH LEADS, CONTROLLER PLUG LEADS, AND LEAD WIRE TO BODY WIRING HARNESS ON FRONT CROSSMEMBER WITH TWO M\$3367-1-0 TIEDOWN STRAPS AS SHOWN IN FIGURE 22.
- E. SECURE LEAD WIRE AND CONTROLLER PLUG TO BODY WIRING HARNESS WITH FIVE MS3367-7-0 TIEDOWN STRAPS AS SHOWN IN FIGURE 23.
- F. SECURE LEAD WIRE 12469065-2 TO BODY WIRING HARNESS ON LEFT INNER COWL WITH MS3367-1-0 TIEDOWN STRAP AS SHOWN IN FIGURE 24.
- G. SECURE CONTROLLER PLUG TO BODY WIRING HARNESS IN ENGINE COMPARTMENT WITH MS3367-7-0 TIEDOWN STRAP AS SHOWN IN FIGURE 24.
- H. CONNECT BATTERY GROUND CABLE. (REFER TO TM 9-2320-280-20.) (DO NOT INSTALL BATTERY BOX COVER.)
- 1. REMOVE CAP ON CONTROLLER PLUG CONNECTOR AND CONNECT 12469356-1 SWITCH ASSEMBLY CONNECTOR TO CONTROLLER PLUG CONNECTOR AS SHOWN IN FIGURE 25.
- J. FILL POWER STEERING RESERVOIR, START ENGINE AND CHECK FOR LEAKS. STOP ENGINE, CHECK POWER STEERING RESERVOIR, FILL AS NECESSARY.

## CAUTION

DO NOT MOVE WINCH LEVERS WITH LOAD ON WINCH OR POWERING WINCH IN OR OUT.

- K. START ENGINE, PLACE WINCH LEVERS IN LOW RANGE AND PAY OUT 5 TO 10 FEET OF WINCH CABLE AS SHOWN IN FIGURE 26.
- L. STOP ENGINE AND TURN WHEELS ALL THE WAY TO THE LEFT.
- M. FILL POWER STEERING RESERVOIR TO FULL COLD LEVEL ON CAP. LEAVE CAP OFF.
- N. RAISE FRONT WHEELS OFF GROUND.
- 0. TURN STEERING WHEEL LEFT AND RIGHT, HOLDING WHEELS AT STEERING STOPS FOR FIVE SECONDS, FOR AT LEAST FORTY TIMES.

INSTALLATION INSTRUCTIONS, 10,500 LB HYDRAULIC WINCH ACCESSORY KIT 57K3541	SIZE A	CAGE CODE 19207		1246906	58		
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- POWER STEERING FLUID MUST BE FREE OF BUBBLES AND FOAM. IF BUBBLES OR FOAM ARE NOTED, IT COULD BE AN INDICATION OF A LOOSE CONNECTION OR LEAKY O-RING.
- FLUID WITH AIR IN IT WILL HAVE A MILKY APPEARANCE. AIR MUST BE ELIMINATED FROM SYSTEM BEFORE NORMAL STEERING ACTION CAN BE OBTAINED.
- P. CHECK POWER STEERING RESERVOIR LEVEL. IF ANY BUBBLES ARE SEEN, REPEAT STEP O.
- Q. START ENGINE AND WITH ENGINE IDLING, ADD POWER STEERING FLUID IF NECESSARY. INSTALL CAP ON RESERVOIR.
- R. TURN WHEELS TO CENTER, SHUT OFF ENGINE, AND LOWER FRONT WHEELS TO GROUND.
- S. START ENGINE AND RUN ENGINE FOR TWO OR THREE MINUTES, TURNING WHEELS LEFT AND RIGHT.
- T. PLACE WINCH LEVERS IN FREE SPOOL AND PAY OUT WINCH CABLE UNTIL FIVE WRAPS OF CABLE ARE LEFT ON WINCH DRUM AS SHOWN IN FIGURE 26.

# CAUTION

DO NOT MOVE WINCH LEVERS WITH LOAD ON WINCH OR POWERING WINCH IN OR OUT.

NOTE

ENSURE TO MAINTAIN APPROXIMATELY 500 LB LOAD OR HIGHER TENSION ON WINCH CABLE WHILE PAYING IN.

- U. PLACE WINCH LEVERS IN LOW RANGE AND PAY IN WINCH CABLE AND ENSURE WINCH CABLE STAYS TIGHT AS SHOWN IN FIGURE 26. STOP ENGINE.
- V. DISCONNECT SWITCH ASSEMBLY CONNECTOR FROM CONTROLLER PLUG CONNECTOR AS SHOWN IN FIGURE 25. INSTALL CAP ON CONTROLLER PLUG CONNECTOR.

NOTE

USE TUBE ASSEMBLY TO CONNECT HOSES (12469392-4 AND 12469392-3) WHEN WINCH IS REMOVED.

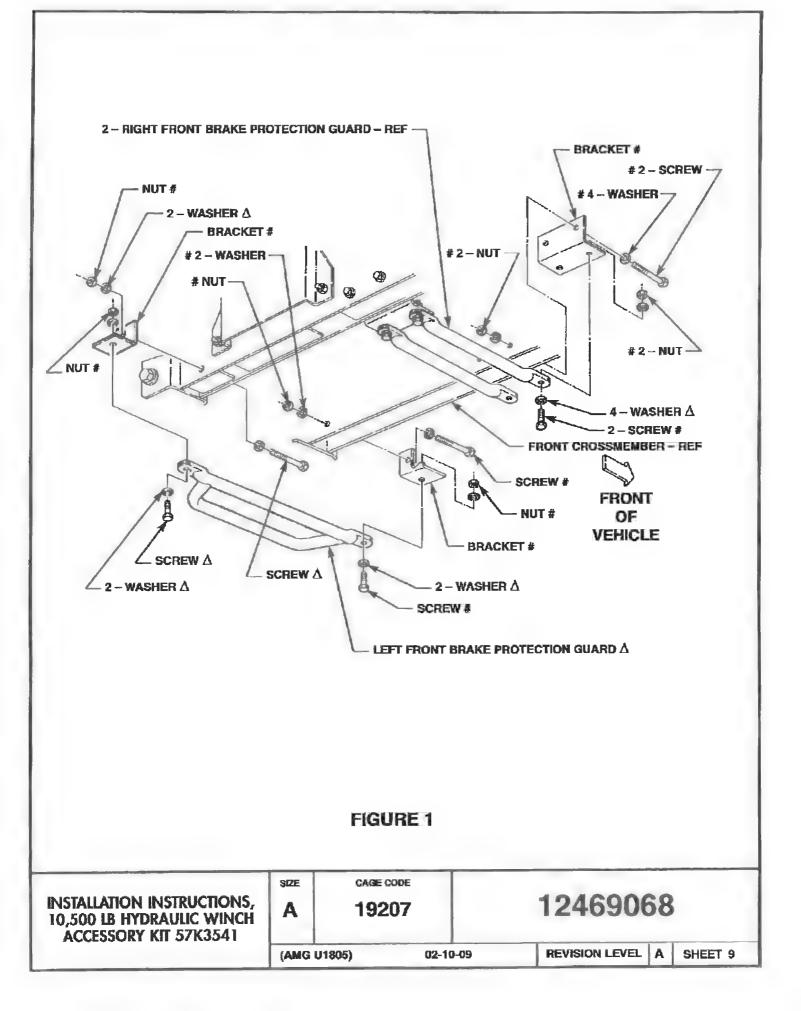
- W. POSITION SWITCH ASSEMBLY, 12469357 TUBE ASSEMBLY, 12469394 STRAP, AND 12469355 SNATCH BLOCK IN STOWAGE BOX UNDER COMMANDER'S (COMPANION) SEAT AS SHOWN IN FIGURE 27.
- X. INSTALL COMMANDER'S (COMPANION) SEAT. (REFER TO TM 9-2320-280-20.)

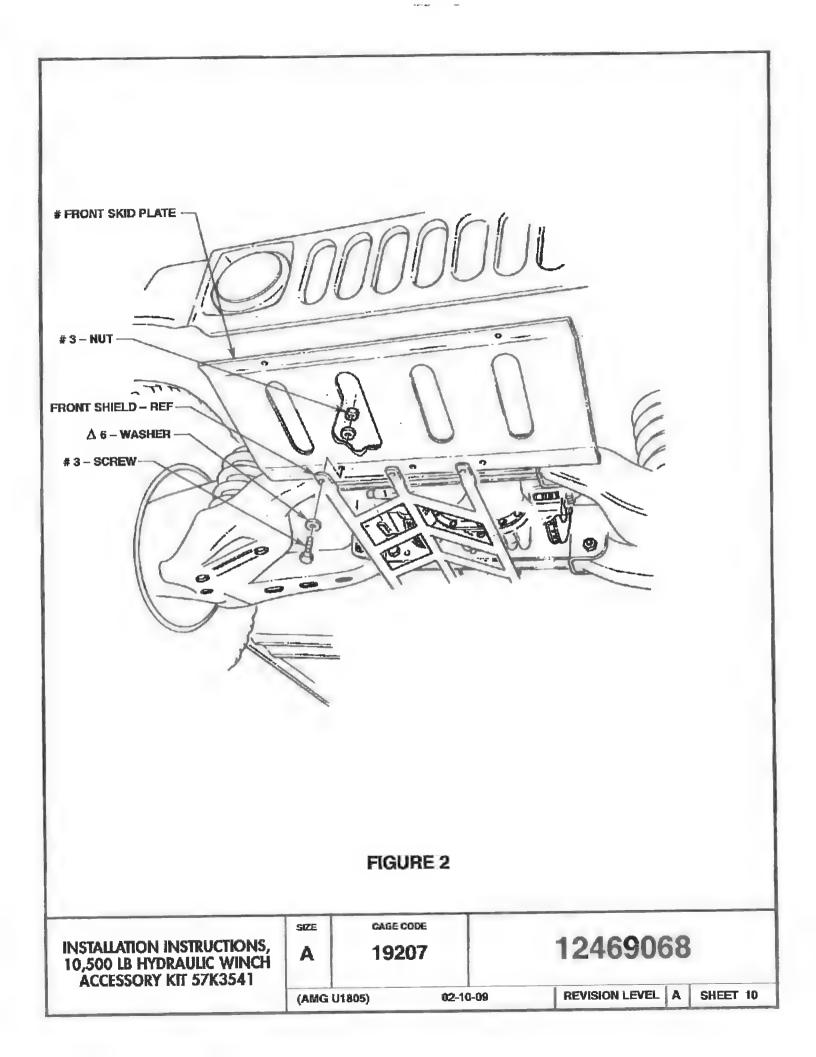
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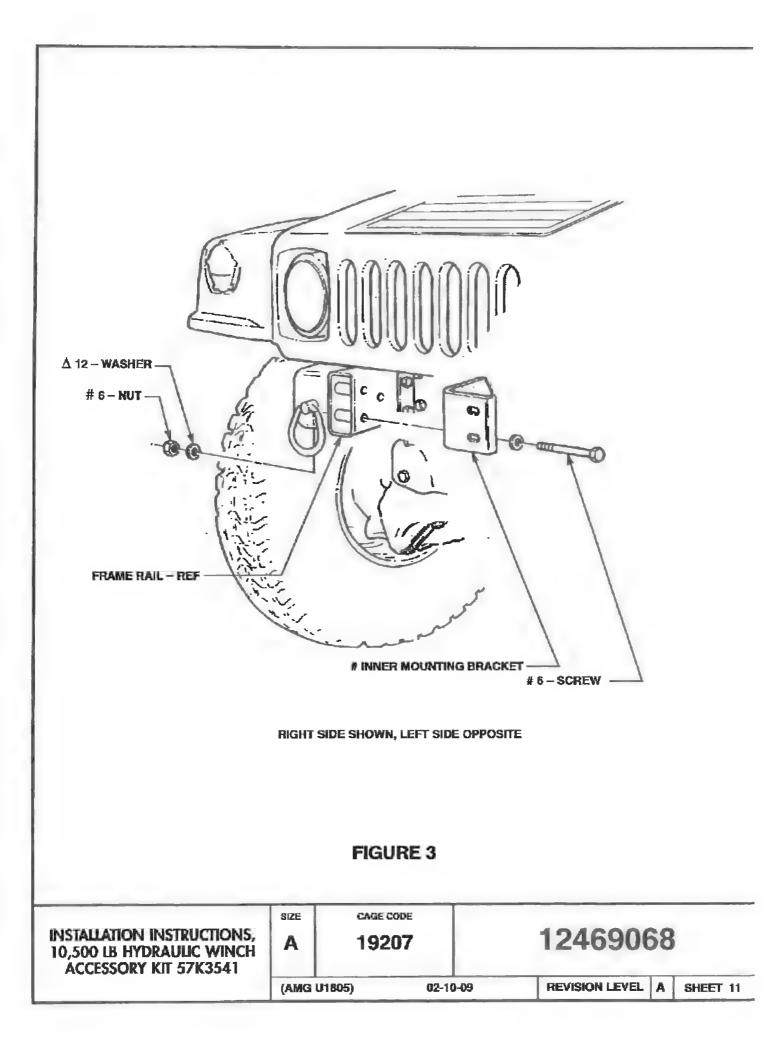
PERFORM STEP R FOR VEHICLES THAT HAD 6,000 OR 9,000 LB ELECTRIC WINCHES.

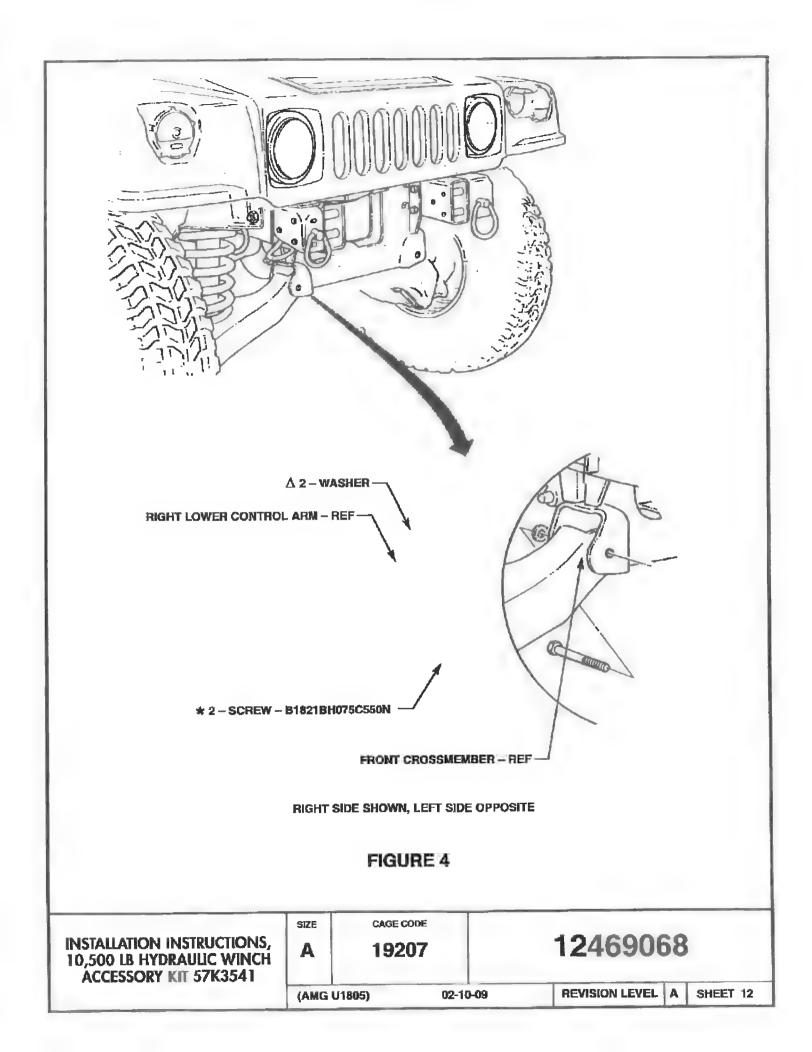
Y. APPLY 737RTV SEALING COMPOUND TO STARTER POSITIVE AND NEGATIVE STUDS AND CONNECTING LEADS.

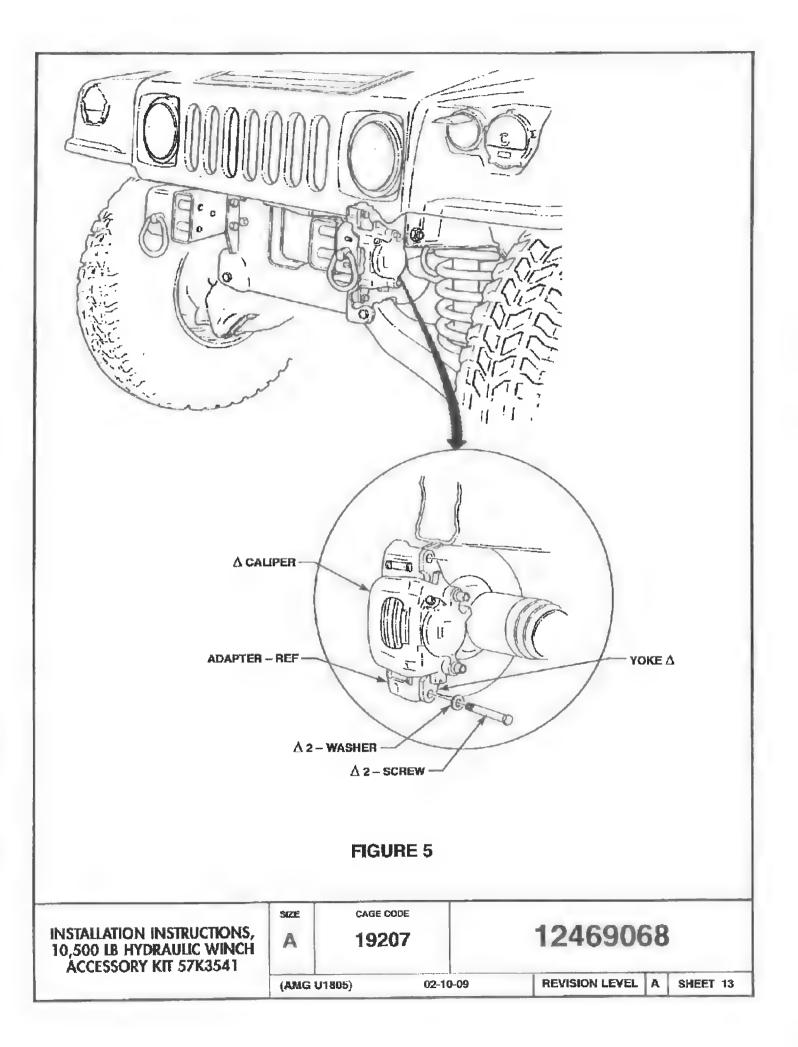
INSTALLATION INSTRUCTIONS, 10,500 LB HYDRAULIC WINCH ACCESSORY KIT 57K3541	size A	CAGE CODE 19207	12469068
Addition of the second	(AMG U	1805) 02-10-09	REVISION LEVEL A SHEET 8

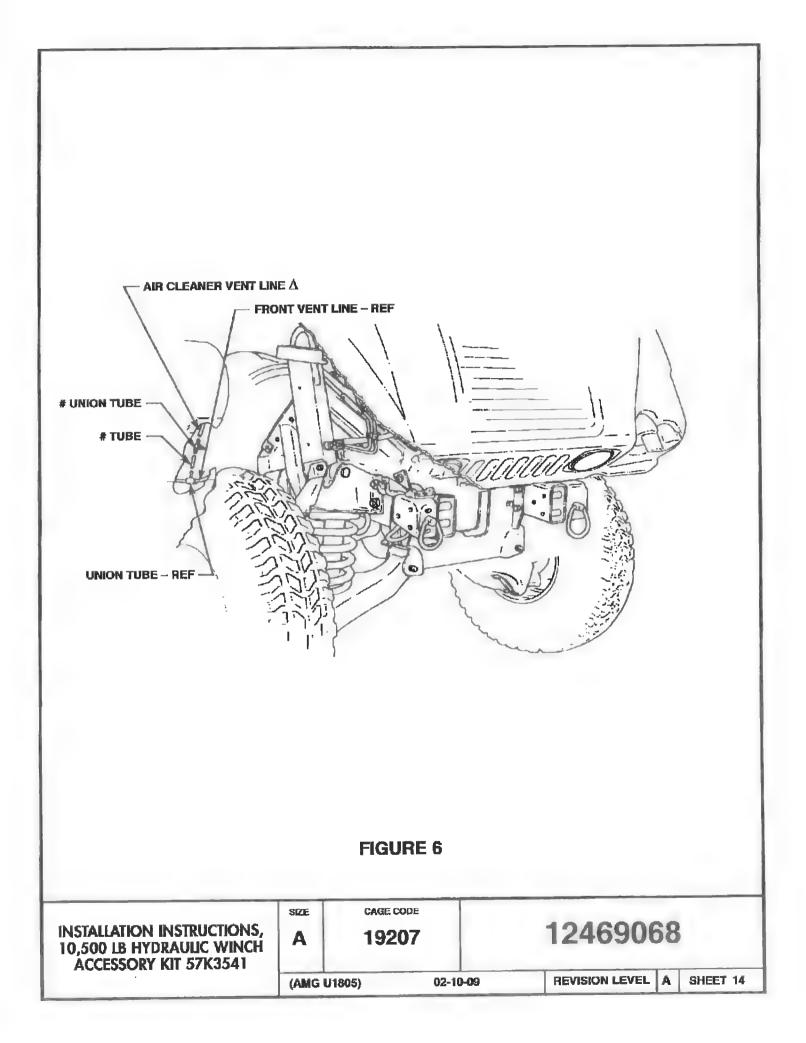


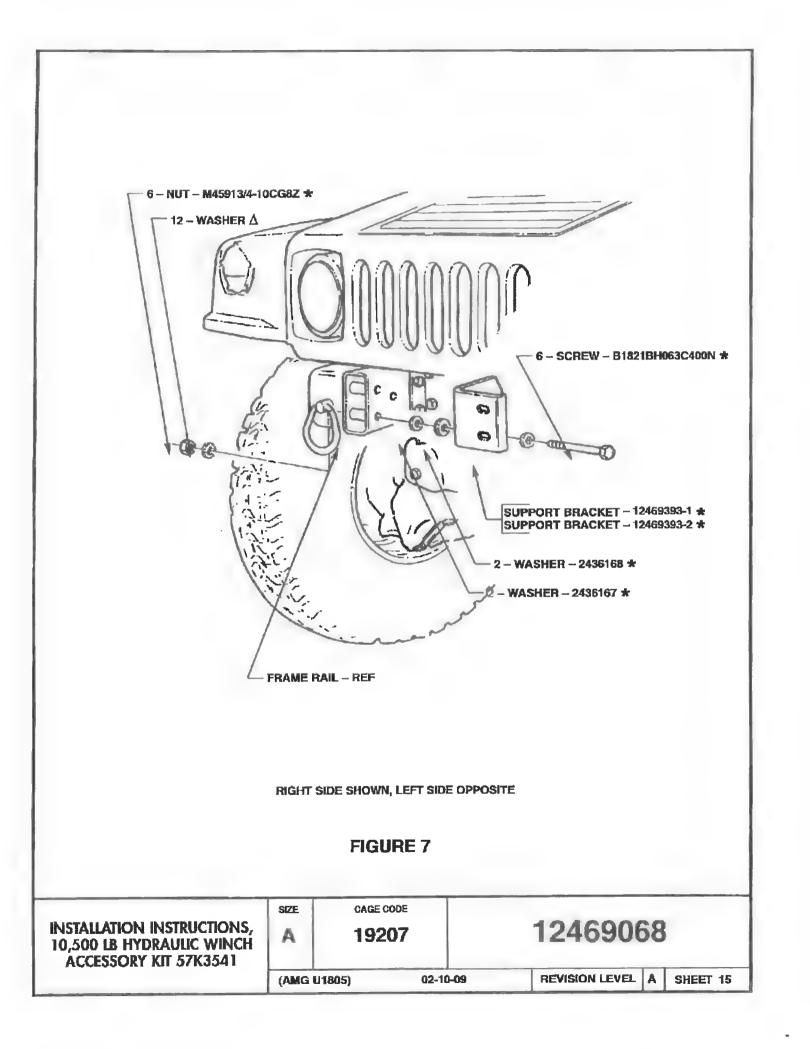


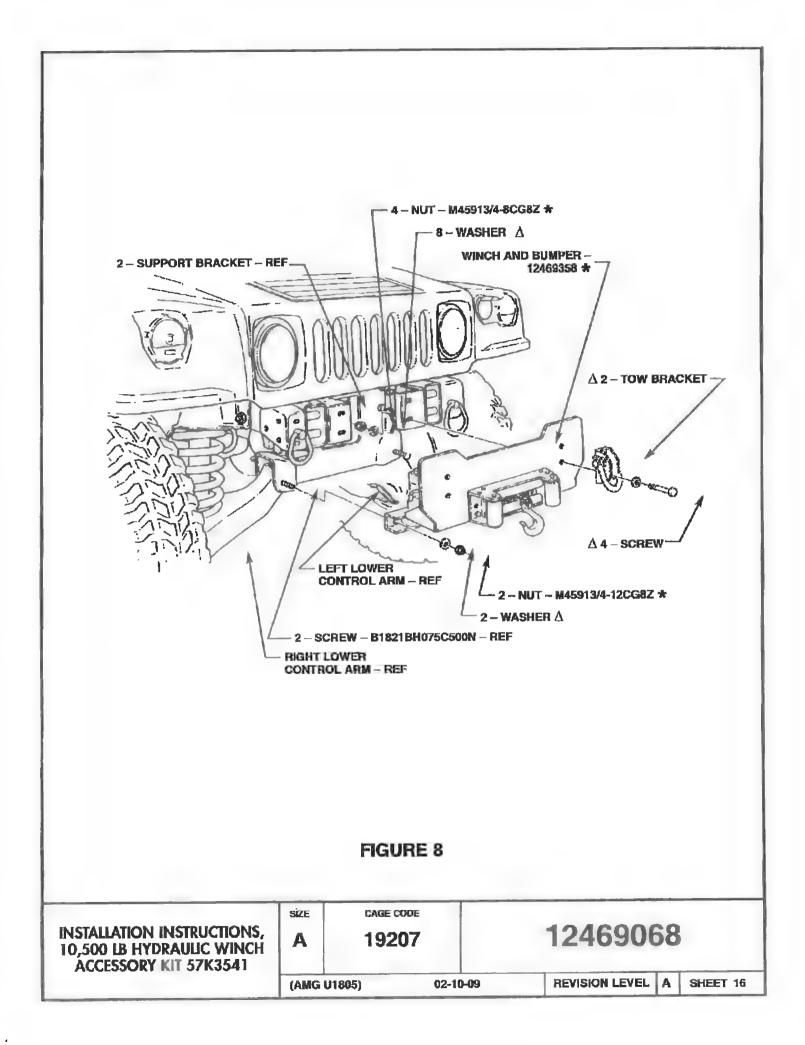


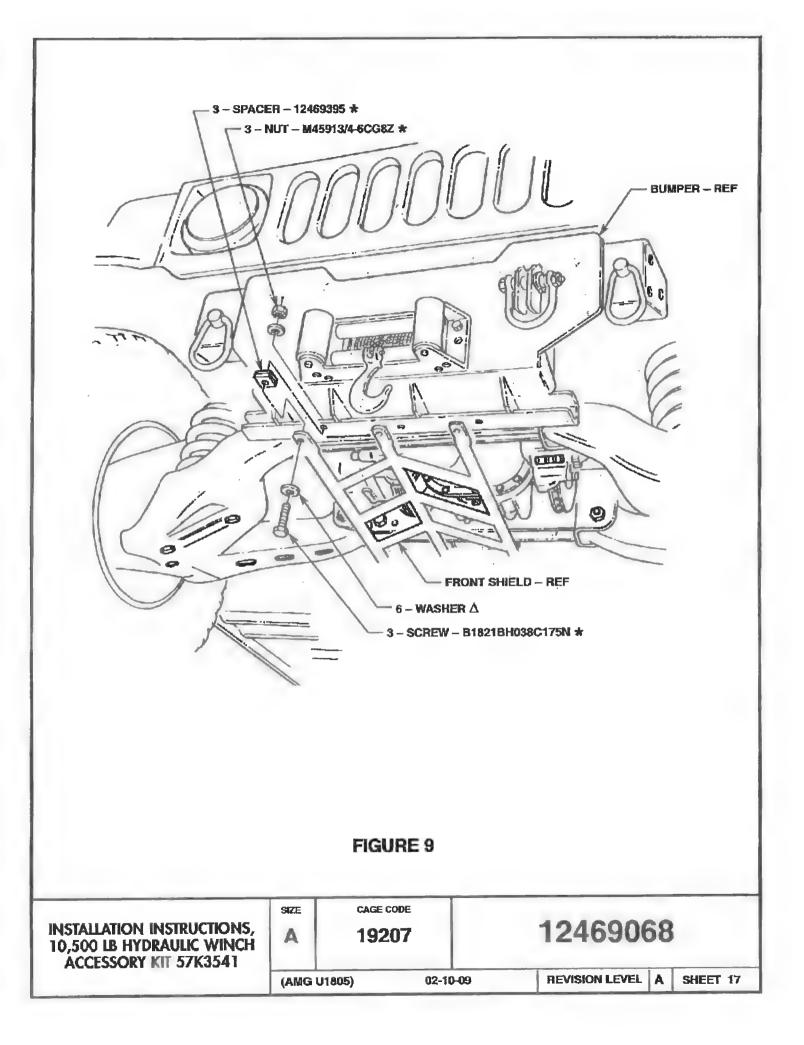


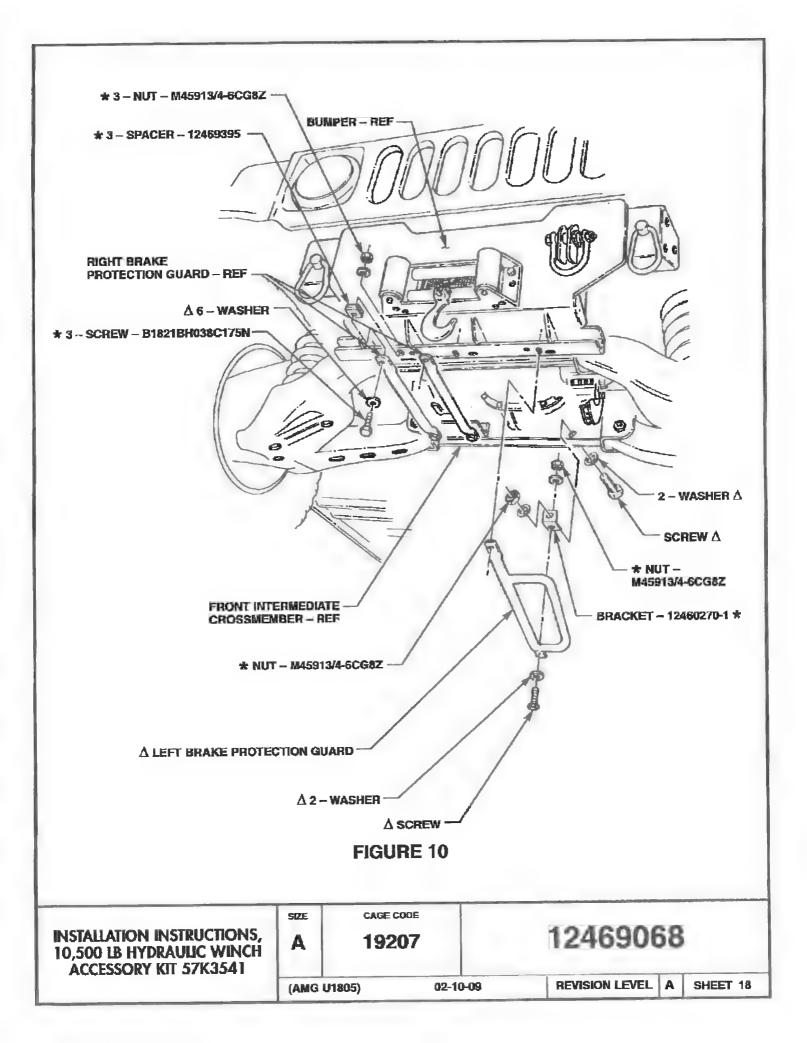


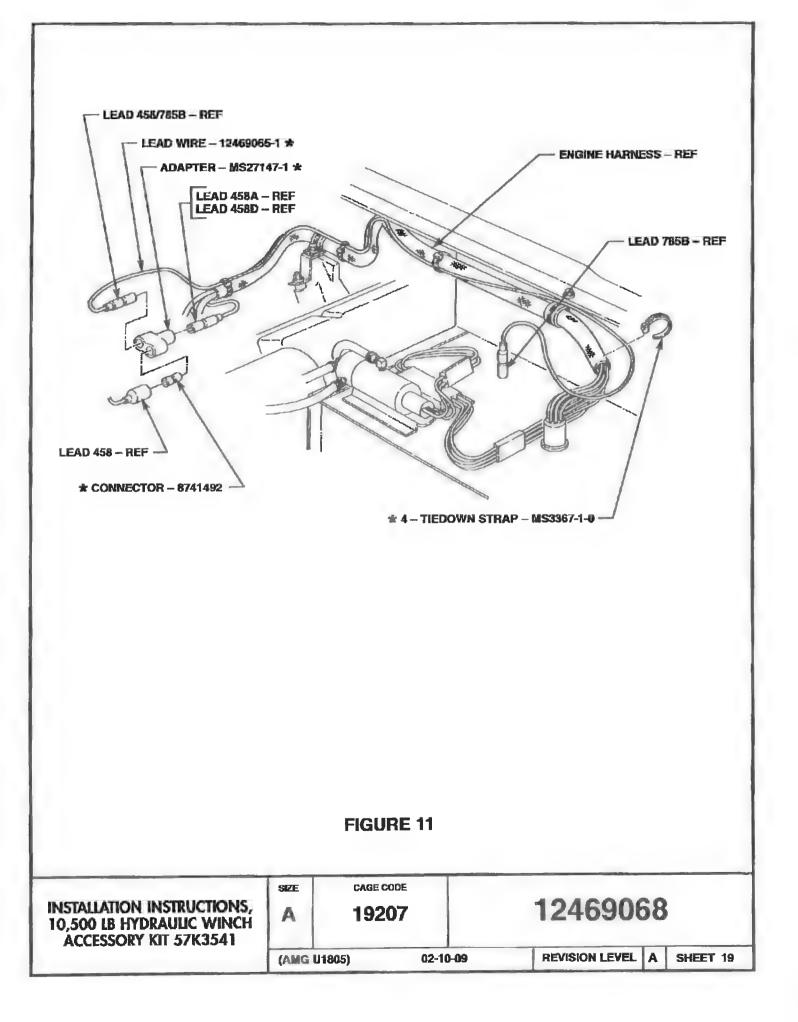


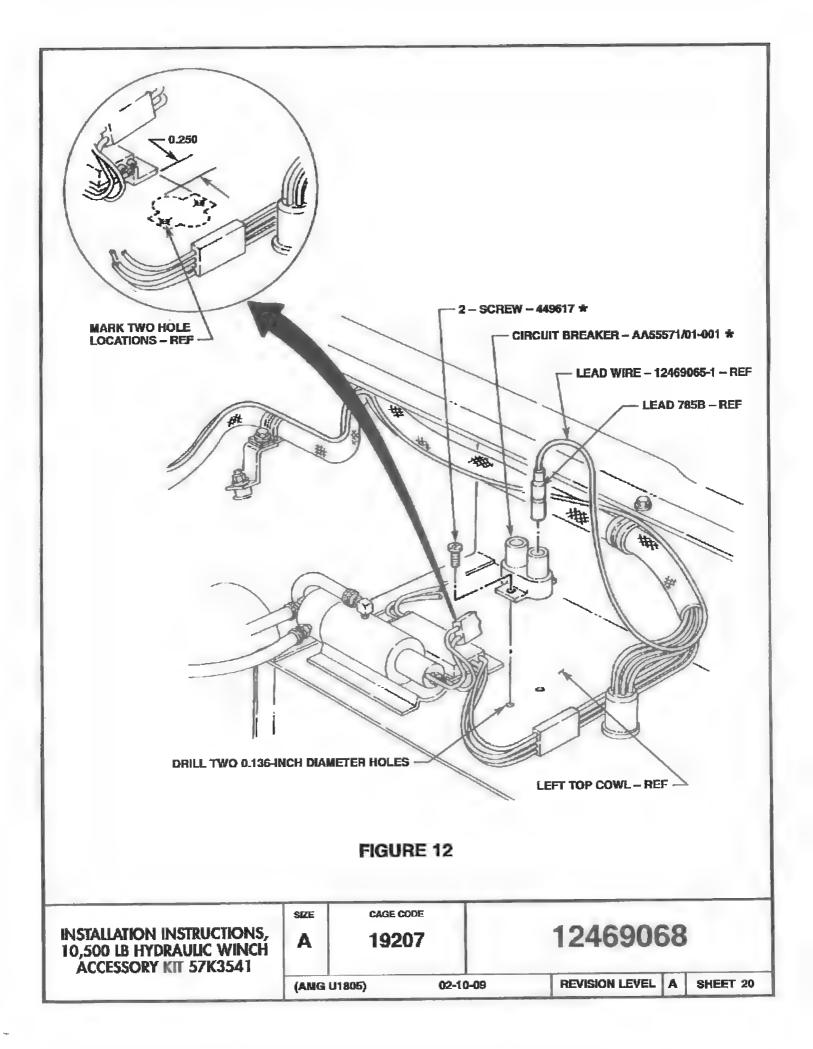


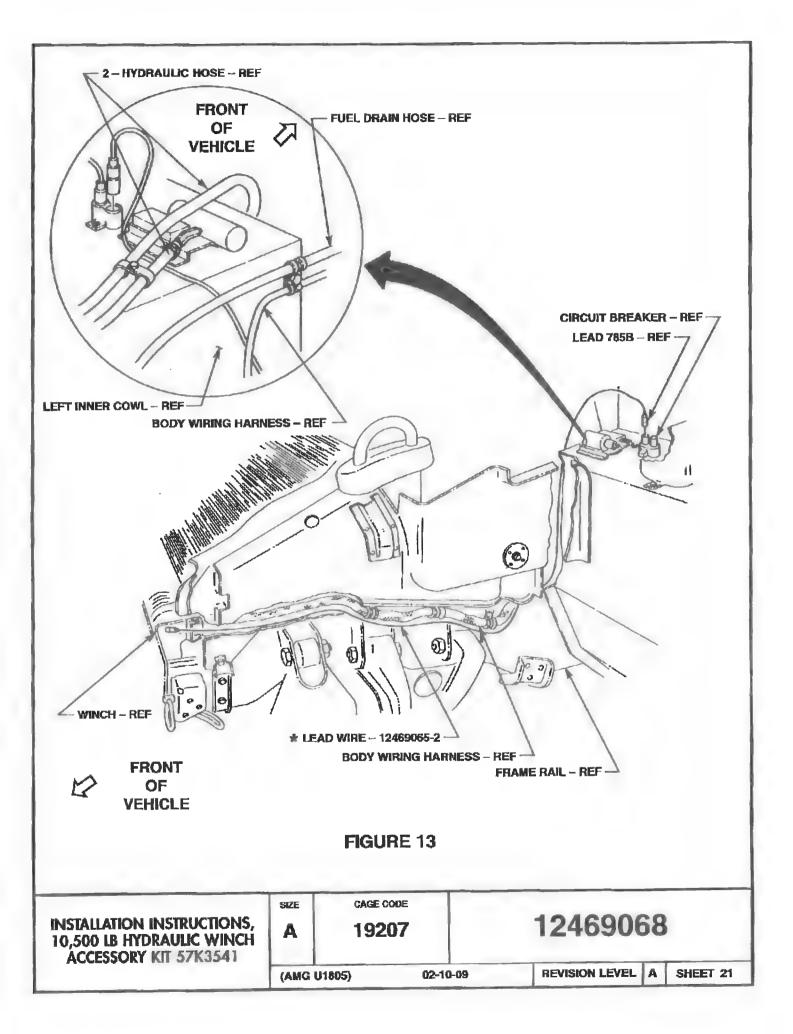


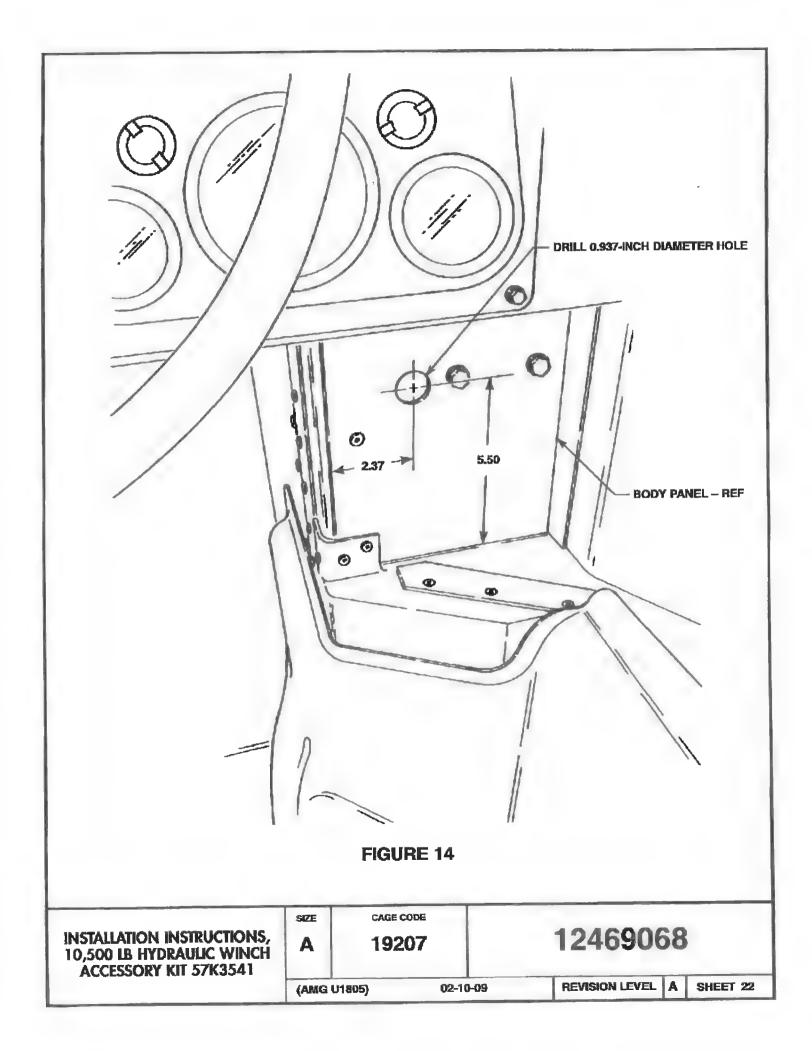


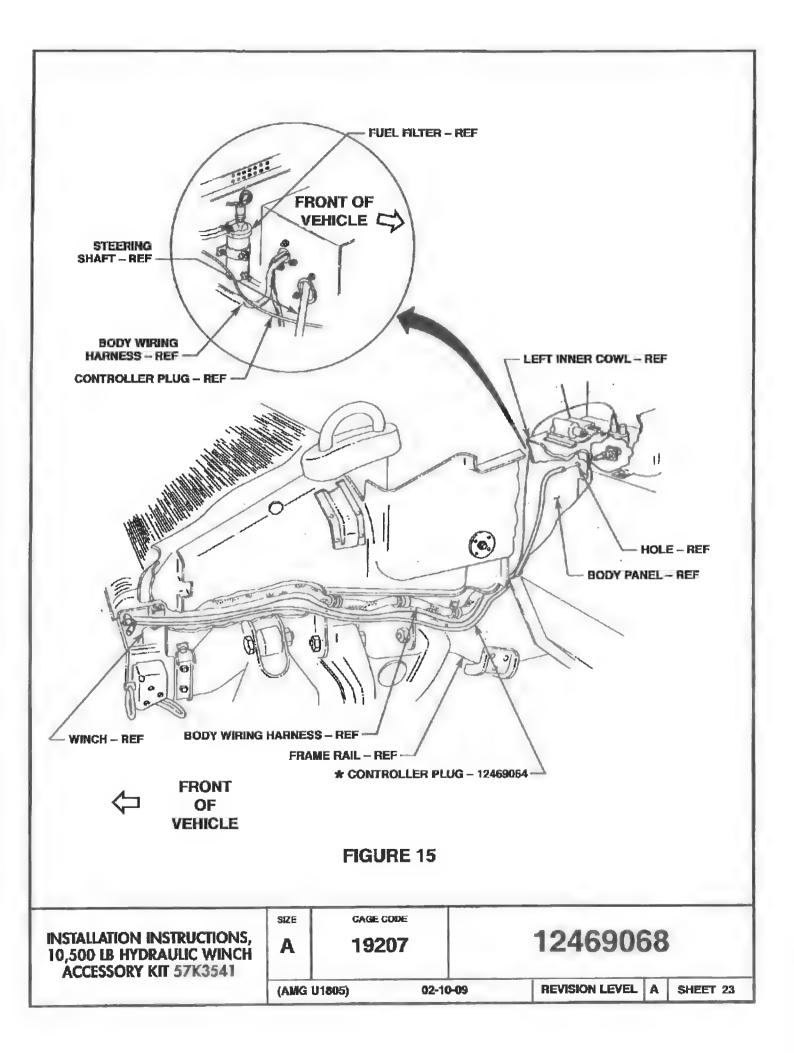


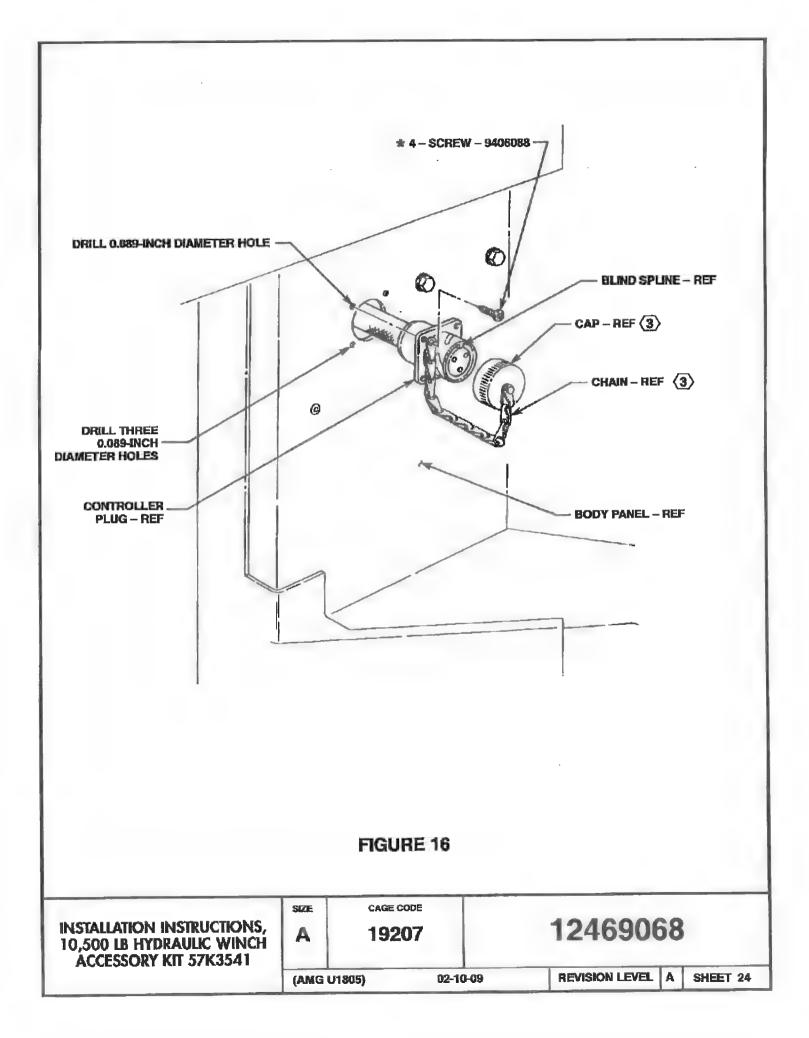


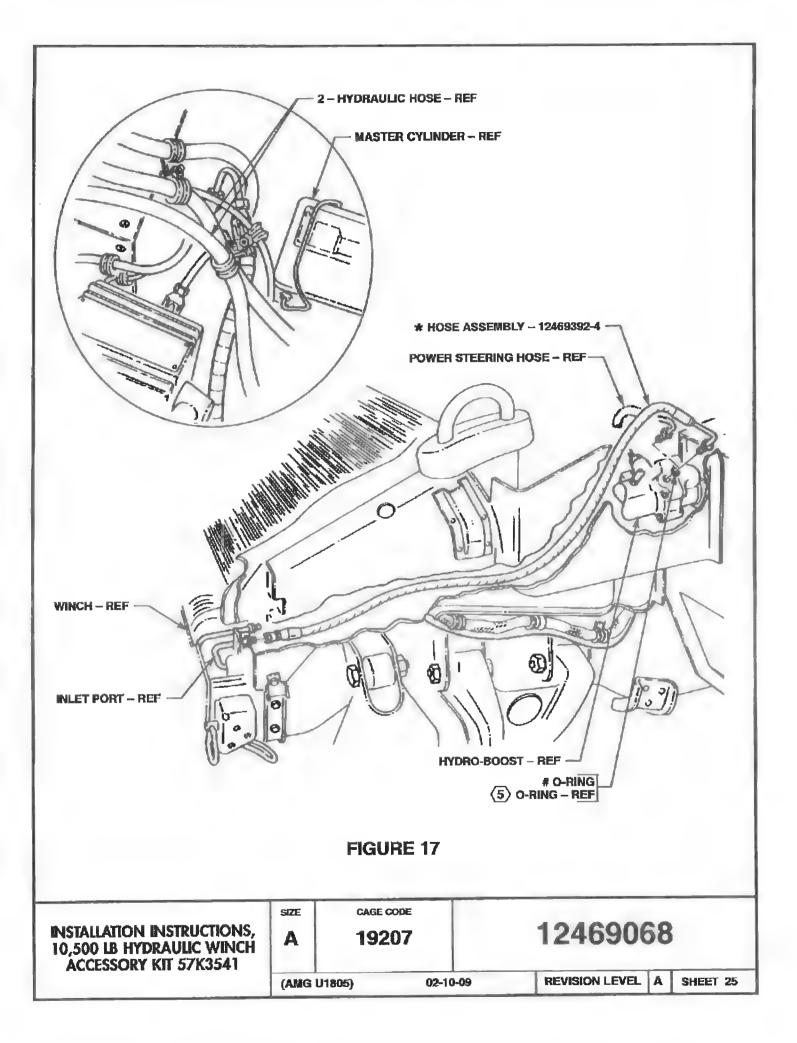


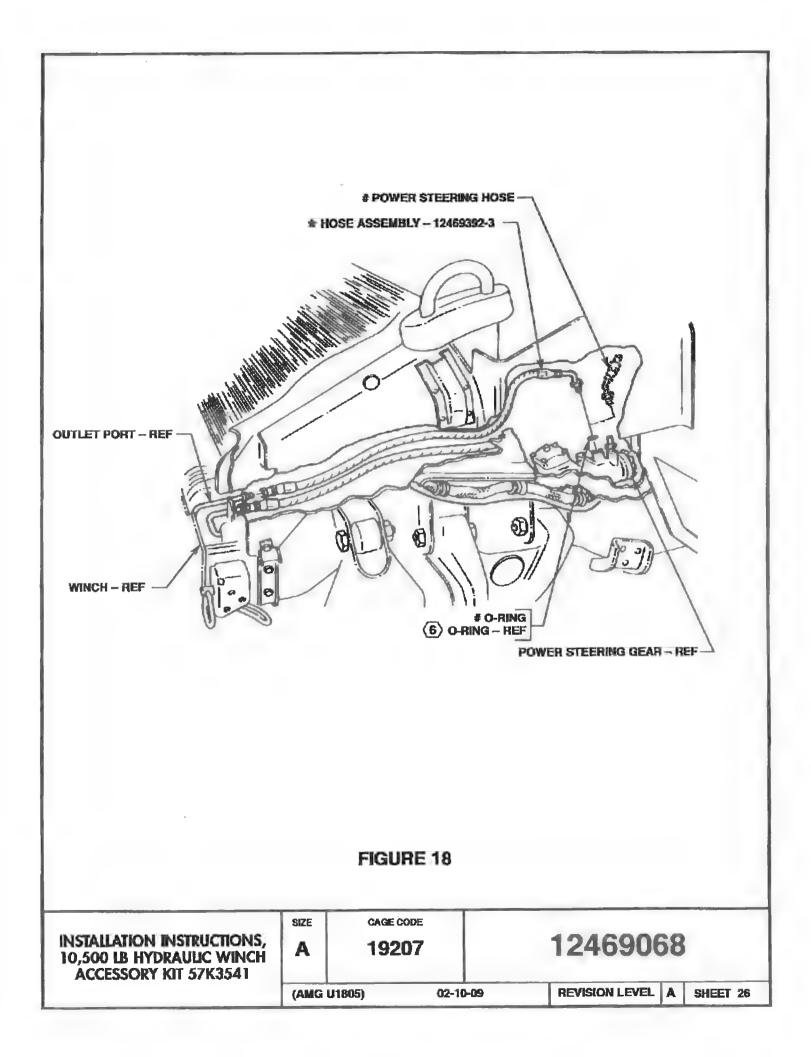












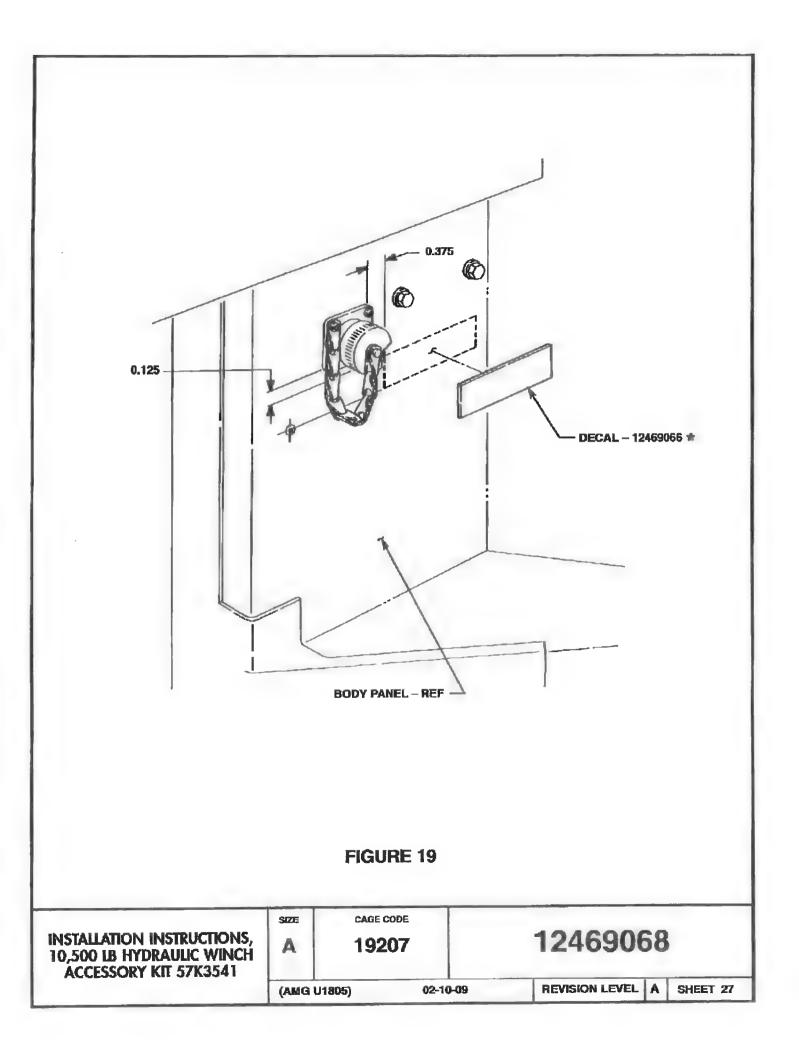
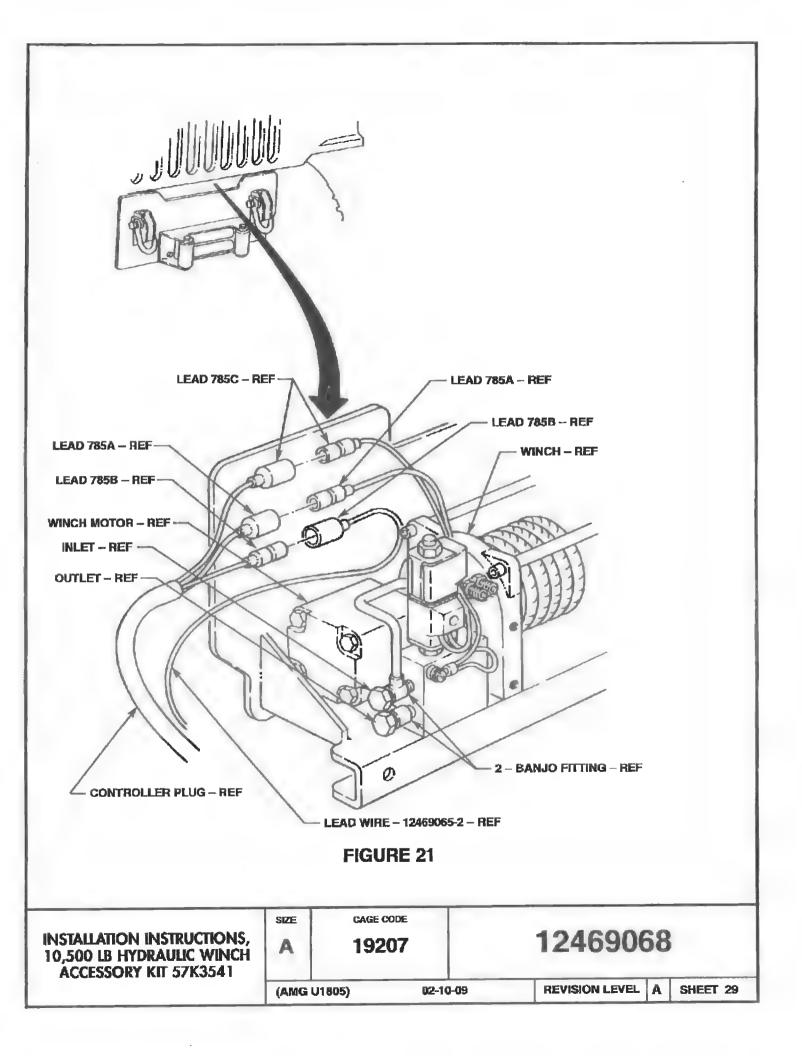
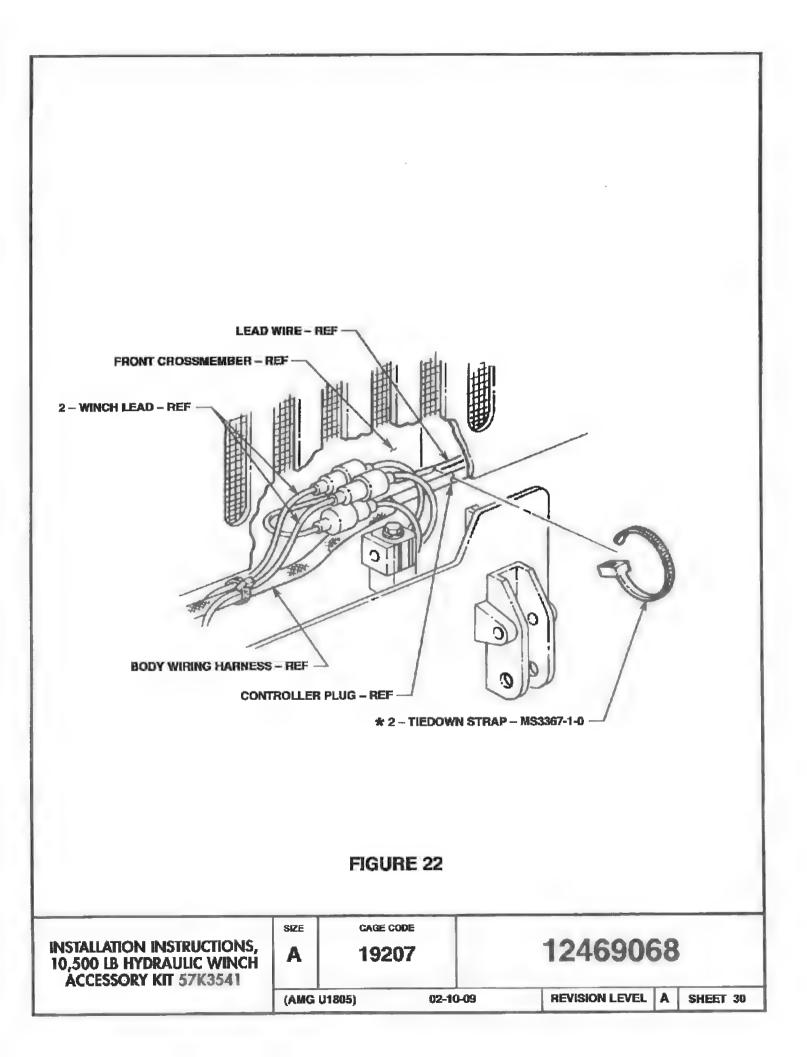
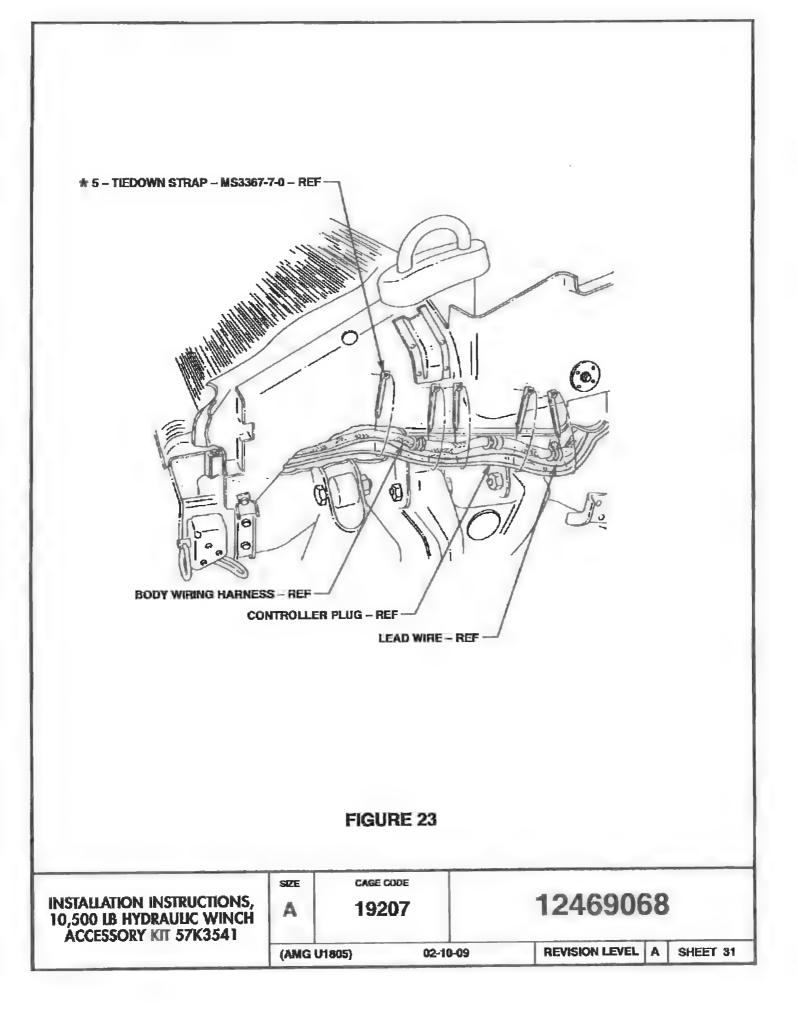
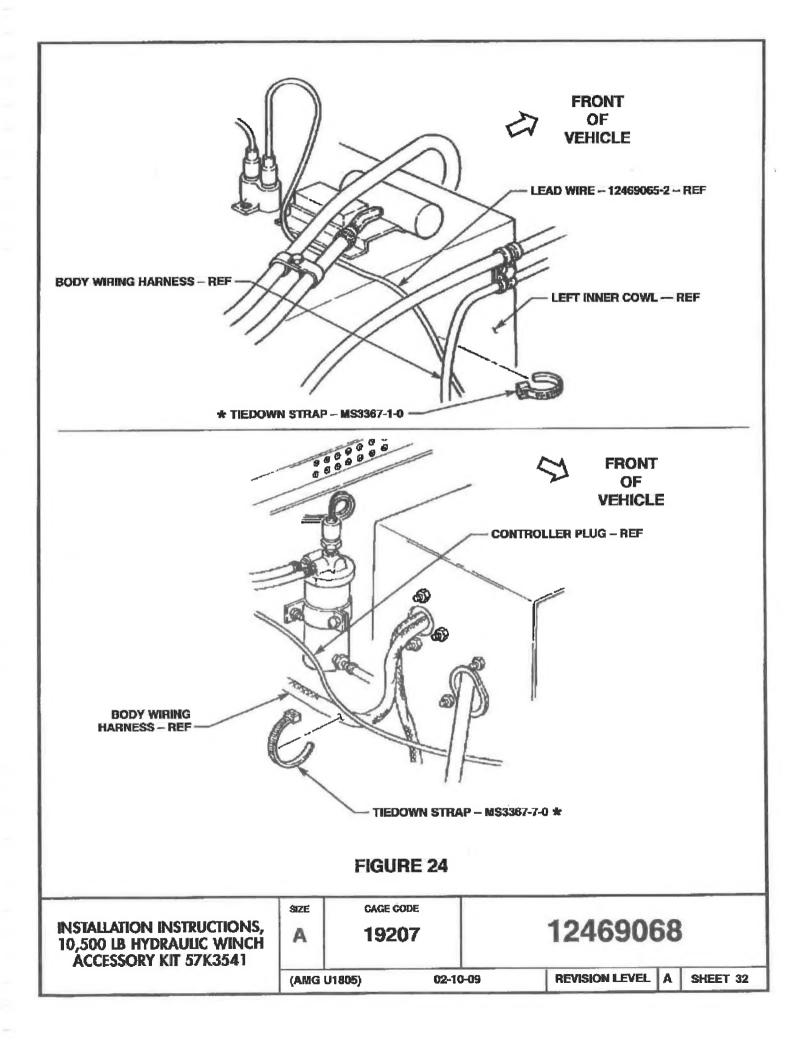


FIGURE 20	1.25	CAL 12469067 *	
		FIGURE 20	
INSTALLATION INSTRUCTIONS, 10,500 LB HYDRAULIC WINCH ACCESSORY KIT 57K3541			



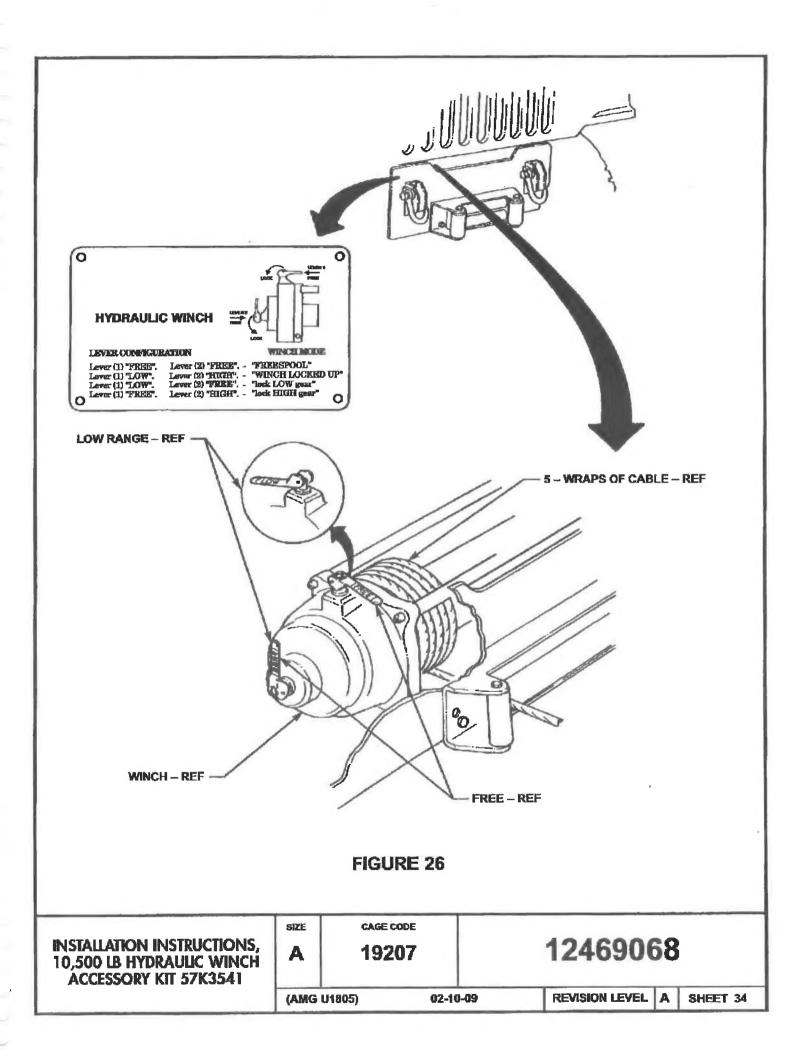






CONTROLLER PLUG O				TCH ASSEMBLY - 12469356-1 *		
FIGURE 25						
INSTALLATION INSTRUCTIONS, 10,500 LB HYDRAULIC WINCH ACCESSORY KIT 57K3541	size A	CAGE CODE 19207		12469068 REVISION LEVEL A SHEET 33		
	(AMG	U1805) 02-10	-US	REVISION LEVEL A SHEET 33		

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* TUBE ASSEMBLY SWITCH ASSEMBLY - STOWAGE BOX - REF		1	BLOCK - 12469355		
	SIZE CAGE C	ODE		AND IN THE REAL OF	1
INSTALLATION INSTRUCTIONS, 10,500 LB HYDRAULIC WINCH ACCESSORY KIT 57K3541	A 192 (AMG U1805)	07	1246906	758	Carlo Carlo
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