JEFFREY	MINING PRODUCTS	274 EAS	Y MINING ST 1ST AVE IBUS, OHIO	Ξ.			THE E JEFFREY NEITHER CONTENT: REPRODU WHOLE (WRITTEN	S ARE CED, OR OR PART,	PRO PRO IG AWIN TO DIS	CION ADPERTY PROD G OF BE GCLOSE HOUT	Y O DUCTS R IT USED	S OF S. S. S. S. S. S. O,
DRAWING NO. 523	3A586		SHEET NO. 1	T	HIS CHEC	CHINE AP K LIST: 31-73-2 thru-			ERS	THA	Γ USI	E
DRAWN K.DERRICK	DATE 1/25/85			R E V	A 4/18/97							
CHECKED K.DERRICK	DATE 1/30/85				KRT							

THIS BLOCK I ONLY.	FOR MSHA USE
ES #	
REV LEVEL	

ELECTRICAL SYSTEM PERMISSIBILITY CHECKLIST

LISTED BELOW ARE THE ITEMS AND FUNCTIONS THAT MUST BE MAINTAINED FOR THE ELECTRICAL SYSTEM TO BE CONSIDERED PERMISSIBLE. FOR A COMPLETE EQUIPMENT PERMISSIBILITY EVALUATION, THIS CHECKLIST MUST BE USED IN CONJUNCTION WITH A MACHINE CHECKLIST AND A POWER SYSTEM CHECKLIST.

ALL INSPECTIONS AND TESTS SHALL BE PERFORMED IN FRESH AIR

A.	ALL ELECTRICAL	ENCLOSURES	MUST MEET	THE FOLLOWING

- *1. () ALL ELECTRICAL ENCLOSURES ARE INTACT (NOT CRACKED OR BROKEN); THE HEADLIGHT LENSES ARE NOT LOOSE.
- *2. () ALL ELECTRICAL ENCLOSURES HAVE AN MSHA PLATE ATTACHED THAT IS CLEARLY STAMPED WITH AN MSHA CERTIFICATION NUMBER (X/P NUMBER). THESE NUMBERS AGREE WITH THOSE LISTED IN TABLE 1.
- *3. () USE FEELER GAUGES OF THE APPROPRIATE SIZE TO INSURE THE CLEARANCES BETWEEN THE ENCLOSURES LISTED IN TABLE 1 AND THEIR CORRESPONDING COVERS ARE NOT EXCEEDED.
- 4. () ALL JOINTS FORMING THE FLAME ARRESTING PATHS (FLANGES AND COVERS) ARE SMOOTH AND FREE FROM RUST, CORROSION, AND PITTING.

		TTLE: ELECTRIC Y CHECKLIST	CAL SYS	TEM	MINE SAFETY & HEALTH ADMII APPROVED PRINT. NO DEVIATION OR LEGAL UNTIL APPROVED BY MSHA		- '
DISTR.	STD:	SPECIAL:	ENG. SEC	PRINT LOCATION:	DRAWING NUMBER	SHEET NO.	OF 10
CODE	_			LOCATION:		NO.	10
SEE DRG.	В		L.	523A586	1	SHEETS	
					0_0; 1000		

JEFFREY	MINING PRODUCTS	274 EAS	Y MINING I ST 1ST AVE BUS, OHIO	•			THE EXIST THE EX	S ARE	PROPERTY OF THE PROPERTY OF TH	FION OPER PF IG BE SCLO	ANI TY ODU OR U SED	OF
DRAWING NO.			SHEET NO.		ART 36 M	ACHINE AP	PROVAL	NUMB	ERS	TH	AT I	USE
523	A586		2			31-73-2 thru-	7 31-88-0					
DRAWN K.DERRICK	DATE 1/25/85			R E V	A 4/18/97							
CHECKED K.DERRICK	DATE 1/30/85				KRT							

ENCLOSURI	<u>E</u>	ITEM NO. ON MACHINE <u>LAYOUT DIAGRAM</u>	<u>X/P NUMBER</u>	MAXIMUM ALLOWABLE CLEARANCE <u>IN INCHES</u>
HEADLIGHT	ΓS	4	X/P-1468-30 OR X/P-1468-31	N/A
HEADLIGHT ALTERNATO		BOX 2 1	X/P-2166-0 X/P-1622-4	.003 .006
CONNECTIO	ON BOX	3	X/P-2872-0	N/A
B. <u>CAE</u> *1. *2.	()	ECTING ELECTRICAL COMPON CLAMPED IN PLACE TO PREVE PROTECTED FROM MECHANIC CONDUIT, METAL TUBING, OR FLEXIBLE OR THREADED RIGI	ENT UNDUE MOVEMENT. AL DAMAGE BY POSITION, FL. TROUGHS.	AME RESISTANT HOSE
*3.	()	NOT SUBJECT TO ABRASION F	ROM SHARP CORNERS OR EDG	ES.
*4.	()	ISOLATED FROM HYDRAULIC	LINES AND COMPONENTS.	
*5.	()	ISOLATED FROM FUEL LINES.		
*6.	()	FLAME RESISTANT IF NOT ENG BY "MSHA" MARKINGS ON TH		HIS IS INDICATED

 \ast (WEEKLY) DESIGNATES THOSE INSPECTION CHECKS THAT MUST BE PERFORMED DURING THE WEEKLY MAINTENANCE EXAMINATION IN ACCORDANCE WITH 30 CFR, SECTION 75.1914

C. <u>HOSE CONDUIT IS</u>:

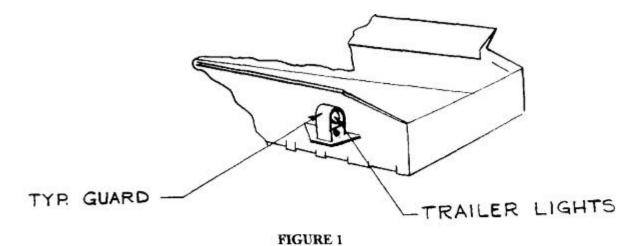
		TTLE: ELECTRIC Y CHECKLIST	CAL SYS	TEM	MINE SAFETY & HEALTH ADMIT APPROVED PRINT. NO DEVIATION OR LEGAL UNTIL APPROVED BY MSHA		- '
DISTR. CODE	STD:	SPECIAL:	ENG. SEC	PRINT LOCATION:	DRAWING NUMBER	SHEET NO.	OF 10
SEE DRG. B L.					523A586	2	SHEETS

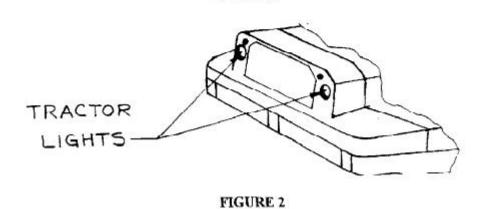
JEF	FRE	ΞΥ	•	MINING PRODUCTS	274 EAS	Y MINING ST 1ST AVE IBUS, OHIC	Ξ.			THIS DRAWING CONTAIN CONFIDENTIAL INFORMATION AND I THE EXCLUSIVE PROPERTY O JEFFREY MINING PRODUCTS NEITHER THE DRAWING OR IT					
									CONTENT REPRODU WHOLE (S ARE CED, OR OR PART,	TO DI WI	BE ISCLO THOU ROM	: OSEI JT	USED	
DRAWI	NG NO.					SHEET	PA	ART 36 M	ACHINE AP	PROVAL	NUMB	ER	STE	IAT	USI
						NO.	T	HIS CHEC	CK LIST:						
		5	523.	A586		3	31	-100-0,-1	31-73-2 thru-	7 31-88-0					
DRAWI	N			DATE			R	A							
K.DEI	RRICK			1/25/85			E V	4/18/97							
CHECK K.DEF	RRICK			DATE 1/30/85				KRT							
	*1.	()	SECURELY CI AS "FLAME-R							PRESENT	`Al	ND A	PPI	EAR
D.	FAST	ENI	ERS A	AND MOUNTS:											
	*1.	()	ALL ELECTRI	CAL SYS	STEM COM	PON	NENTS AR	RE SECUREL	Y MOUNT	TED.				
	*2.	()	ALL THREAD WIRE, OR OTI			ECU	RED FRO	M LOOSENI	NG BY A I	LOCKING	SCI	REW	΄,	
	*3.	()	LOCKWASHE OR STUDS TH		-						S, SC	CRE	WS,	
	*4.	()	NONE OF THE ENCLOSURES ELECTRICAL	ARE US	ED FOR AT						MA	KIN	G	
	*5.	()	HEADLIGHTS	ARE GU	ARDED AS	SH	OWN IN F	FIGURES 1 A	ND 2.					

 \ast (WEEKLY) DESIGNATES THOSE INSPECTION CHECKS THAT MUST BE PERFORMED DURING THE WEEKLY MAINTENANCE EXAMINATION IN ACCORDANCE WITH 30 CFR, SECTION 75.1914

		TTLE: ELECTRIC Y CHECKLIST	CAL SYS	TEM	MINE SAFETY & HEALTH ADMIT APPROVED PRINT. NO DEVIATION OR LEGAL UNTIL APPROVED BY MSHA		- '
DISTR.	STD:	SPECIAL:	ENG. SEC	PRINT	DRAWING NUMBER	SHEET	OF
CODE				LOCATION:		NO.	10
SEE DRG.	В		L.		523A586	3	SHEETS
				323A300			

JEFFREY	MINING PRODUCTS	JEFFREY MINI 274 EAST 1ST COLUMBUS, C	AVE.		THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS THE EXCLUSIVE PROPERTY OF JEFFREY MINING PRODUCTS. NEITHER THE DRAWING OR ITS CONTENTS ARE TO BE USED, REPRODUCED, OR DISCLOSED IN WHOLE OR PART, WITHOUT PRIOR WRITTEN CONSENT FROM JEFFREY MINING PRODUCTS.
DRAWING NO.	3A586	SHEET NO.	T	PART 36 MACHINE A THIS CHECK LIST: B1-100-0,-1 31-73-2 thr	PPROVAL NUMBERS THAT USE u-7 31-88-0
DRAWN K.DERRICK	DATE 1/25/85		R E V	$\begin{bmatrix} \frac{1}{4/18/97} \end{bmatrix}$	
CHECKED K.DERRICK	DATE 1/30/85			KRT	





E. <u>LEAD ENTRANCES (PACKING GLANDS)</u>: (APPLIES TO "X/P" ENCLOSURES ONLY

		TTLE: ELECTRIC Y CHECKLIST	CAL SYS	TEM	MINE SAFETY & HEALTH ADMIT APPROVED PRINT. NO DEVIATION OR LEGAL UNTIL APPROVED BY MSHA	120 2 2 2 2 2 2 2 0	- 1
DISTR.	STD:	SPECIAL:	ENG. SEC	PRINT	DRAWING NUMBER	SHEET	OF
CODE				LOCATION:		NO.	10
SEE DRG. B L.				523A586	4	SHEETS	

JEFFREY	MINING PRODUCTS	274 EAS	Y MINING ST 1ST AVE IBUS, OHIO	Ξ.		THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS THE EXCLUSIVE PROPERTY OF JEFFREY MINING PRODUCTS. NEITHER THE DRAWING OR ITS CONTENTS ARE TO BE USED, REPRODUCED, OR DISCLOSED IN WHOLE OR PART, WITHOUT PRIOR WRITTEN CONSENT FROM JEFFREY MINING PRODUCTS.
DRAWING NO.	3A586		SHEET NO. 5	Tl	ART 36 MACHINE HIS CHECK LIST: 1-100-0,-1 31-73-2 th	APPROVAL NUMBERS THAT USE ru-7 31-88-0
DRAWN K.DERRICK	DATE 1/25/85			R E V	A 4/18/97	
CHECKED K.DERRICK	DATE 1/30/85				KRT	

*1. () ALL LEAD ENTRANCES (PACKING GLANDS) ARE ASSEMBLED SO THAT THE CABLE JACKET PENETRATES INTO THE ENCLOSURE AND WHEN TIGHTENED, A 1/8" MINIMUM CLEARANCE REMAINS BETWEEN THE PACKING NUT AND STUFFING BOX (FIGURE 3).

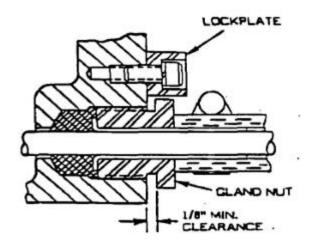


FIGURE 3

*2. () ALL PACKING NUTS AND STUFFING BOXES ARE SECURED FROM LOOSENING BY A LOCKING SCREW, WIRE OR OTHER MEANS (FIGURE 3). ALL UNUSED LEAD ENTRANCES ARE CLOSED WITH METAL PLUGS WHICH ARE SECURED IN PLACE BY SPOT WELDING, BRAZING, OR EQUIVALENT (FIGURE 4).

*(WEEKLY) DESIGNATES THOSE INSPECTION CHECKS THAT MUST BE PERFORMED DURING THE WEEKLY MAINTENANCE EXAMINATION IN ACCORDANCE WITH 30 CFR, SECTION 75.1914

		TTLE: ELECTRIC Y CHECKLIST	CAL SYS	TEM	MINE SAFETY & HEALTH ADMI APPROVED PRINT. NO DEVIATION OR LEGAL UNTIL APPROVED BY MSHA		- '
DISTR.	STD:	SPECIAL:	ENG. SEC	PRINT	DRAWING NUMBER	SHEET	OF
CODE				LOCATION:		NO.	10
SEE DRG.	В		L.		523A586	5	SHEETS
					020/1000		

JEFFREY	MINING PRODUCTS	JEFFREY M 274 EAST 1 COLUMBU	ST AVE.	·•	XCLUSIVE MININ THE DR	NFORMATION AND IS E PROPERTY OF NING PRODUCTS. DRAWING OR ITS TO BE USED, OR DISCLOSED IN I, WITHOUT PRIOR NT FROM JEFFREY				
DRAWING NO.		SH NO		PART 36 MACHINE A	PPROVAL	NUMBI	ERS	THA	T U	JSE
523	3A586		6	THIS CHECK LIST: 31-100-0,-1 31-73-2 thru	-7 31-88-0					
DRAWN K.DERRICK	DATE 1/25/85			R A E 4/18/97						
CHECKED K.DERRICK	DATE 1/30/85			KRT						

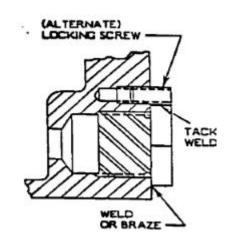


FIGURE 4

F. <u>HEADLIGHTS</u>:

- *1. () ARE INSTALLED AT EACH END OF THE MACHINE.
- *2. () LENSES ARE NOT CRACKED, BROKEN, OR LOOSE.
- *3. () EACH HEADLIGHT IS SECURELY INSTALLED, GUARDED AND OPERABLE.

G. HEADLIGHT SWITCH:

*1. () THE HEADLIGHT SWITCH MUST OPERATE PROPERLY. VERIFY BY STARTING THE ENGINE, OPERATING THE SWITCH AND ASCERTAINING ITS OPERATION - TURNS THE FRONT AND REAR HEADLIGHTS ON AND OFF. THE SWITCH MUST NOT CONTROL OR OPERATE ANY ELECTRICAL CIRCUITS OTHER THAN THE HEADLIGHTS.

*(WEEKLY) DESIGNATES THOSE INSPECTION CHECKS THAT MUST BE PERFORMED DURING THE WEEKLY MAINTENANCE EXAMINATION IN ACCORDANCE WITH 30 CFR, SECTION 75.1914

		TTLE: ELECTRIC Y CHECKLIST	CAL SYS	TEM	MINE SAFETY & HEALTH ADMIT APPROVED PRINT. NO DEVIATION OR LEGAL UNTIL APPROVED BY MSHA		- '
DISTR.	STD:	SPECIAL:	ENG. SEC	PRINT	DRAWING NUMBER	SHEET	OF 40
CODE				LOCATION:		NO.	10
SEE DRG.	В		L.		523A586	6	SHEETS
					323/300		

JEFFREY	MINING PRODUCTS	RODUCTS 274 EAST 1ST AVI COLUMBUS, OHIO				CONFIDENTIAL INFORMATE THE EXCLUSIVE PROBLEM OF THE EXCLUSIVE PROBLEM O					ODUCI OR I USE SED	IS OF IS. ITS ED, IN
DRAWING NO.			SHEET NO.				PROVAL	NUMB	ERS	THA	T U	SE
523	SA586		7		HIS CHEC -100-0,-1	CK LIST: 31-73-2 thru-	7 31-88-0					
DRAWN K.DERRICK	DATE 1/25/85			R E V	A 4/18/97							
CHECKED K.DERRICK	DATE 1/30/85				KRT							

- *2. () HEADLIGHT SWITCH IS SECURELY IN PLACE.
- *3. () HEADLIGHT GLANDS ARE SEALED AND ASSEMBLED SO THAT THE CABLE JACKET PENETRATES INTO THE ENCLOSURE AND WHEN TIGHTENED, A 1/8 INCH MINIMUM CLEARANCE REMAINS BETWEEN PACKING NUT AND THE STUFFING BOX (FIGURE 3).
- *4. () ALL UNUSED LEAD ENTRANCES ARE CLOSED WITH METAL PLUGS WHICH ARE SECURED IN PLACE BY SPOT WELDING, BRAZING, OR EQUIVALENT (FIGURE 4).
- *5. () HEADLIGHT SWITCH COVER IS PROPERLY INSTALLED WITH ALL BOLTS AND LOCKWASHERS IN PLACE AND TIGHT (FIGURE 5).

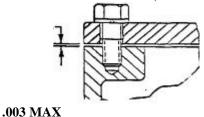


FIGURE 5

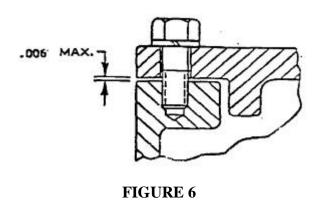
H. <u>ALTERNATOR</u>:

- *1. () "ALTERNATOR HOUSING" IS SECURELY IN PLACE.
- *2. () "ALTERNATOR HOUSING GLANDS" ARE SEALED AND ASSEMBLED SO THAT THE CABLE JACKET PENETRATES INTO THE ENCLOSURE AND WHEN TIGHTENED, A 1/8 INCH MINIMUM CLEARANCE REMAINS BETWEEN PACKING NUT AND THE STUFFING BOX (FIGURE 3).
- *3. () ALTERNATOR COVER IS PROPERLY INSTALLED WITH ALL BOLTS AND LOCKWASHERS IN PLACE AND TIGHT (FIGURE 6).

*(WEEKLY) DESIGNATES THOSE INSPECTION CHECKS THAT MUST BE PERFORMED DURING THE WEEKLY MAINTENANCE EXAMINATION IN ACCORDANCE WITH 30 CFR, SECTION 75.1914

		TTLE: ELECTRIC Y CHECKLIST	CAL SYS	TEM	MINE SAFETY & HEALTH ADMIT APPROVED PRINT. NO DEVIATION OR LEGAL UNTIL APPROVED BY MSHA		- '
DISTR.	STD:	SPECIAL:	ENG. SEC	PRINT	DRAWING NUMBER	SHEET	OF 40
CODE				LOCATION:		NO.	10
SEE DRG.	В		L.		523A586	7	SHEETS
					323/300		

JEFFREY	MINING PRODUCTS	JEFFREY MINING 274 EAST 1ST AVI COLUMBUS, OHIO	Z.	THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND IS THE EXCLUSIVE PROPERTY OF JEFFREY MINING PRODUCTS. NEITHER THE DRAWING OR ITS CONTENTS ARE TO BE USED, REPRODUCED, OR DISCLOSED IN WHOLE OR PART, WITHOUT PRIOR WRITTEN CONSENT FROM JEFFREY MINING PRODUCTS.
DRAWING NO.	3A586	SHEET NO. 8	PART 36 MACHINE AP THIS CHECK LIST: 31-100-0,-1 31-73-2 thru-	PPROVAL NUMBERS THAT USE -7 31-88-0
DRAWN K.DERRICK CHECKED K.DERRICK	DATE 1/25/85 DATE 1/30/85		R A E 4/18/97 V KRT	



I. OTHER ELECTRICAL PERMISSIBILITY CHECKS:

THE FOLLOWING CHECKS MAY BE PERFORMED WHEN AN ELECTRICAL ENCLOSURE HAS BEEN DISASSEMBLED FOR WHATEVER REASON, OR IF THERE IS CAUSE TO BELIEVE A PROBLEM EXISTS WITHIN THE ENCLOSURE.

1. () ELECTRICAL CONNECTIONS INSIDE THE ELECTRICAL ENCLOSURES ARE SECURE (NOT LOOSE) AND ARE INSULATED WHERE SPACE IS LIMITED. IN ADDITION, EACH HEADLIGHT UNIT IS ELECTRICALLY "GROUNDED" TO THE MACHINE FRAME BY A SEPARATE CONDUCTOR IN THE HEADLIGHT CABLE. THE GROUND WIRES ARE NOT BROKEN AND ARE SECURELY ATTACHED TO EACH HEADLIGHT.

TO VERIFY THE ABOVE, REMOVE THE ELECTRICAL ENCLOSURE COVERS; DISCONNECT THE GROUND WIRE ATTACHED TO EACH HEADLIGHT; USE AN OHMMETER OR SIMILAR DEVICE TO VERIFY CONTINUITY BETWEEN THE GROUND WIRE AND THE FRAME OF THE MACHINE FOR EACH HEADLIGHT.

2. () THE ENGINE-DRIVEN ALTERNATOR LIGHTING SYSTEM INCLUDES A SEPARATE TWO-POLE SWITCH WHICH CONTROLS THE OPERATION OF THE HEADLIGHTS. THE

		TTLE: ELECTRIC Y CHECKLIST	CAL SYS	TEM	MINE SAFETY & HEALTH ADMI APPROVED PRINT. NO DEVIATION OR LEGAL UNTIL APPROVED BY MSHA		- '
DISTR.	STD:	SPECIAL:	ENG. SEC	PRINT	DRAWING NUMBER	SHEET	OF
CODE				LOCATION:		NO.	10
SEE DRG. B L.					523A586	8	SHEETS
					323A300		

JEFFREY	 274 EAST 1ST AVE. COLUMBUS, OHIO 43201				CONFIDENTIAL INFORMATION AND IS THE EXCLUSIVE PROPERTY OF JEFFREY MINING PRODUCTS. NEITHER THE DRAWING OR ITS CONTENTS ARE TO BE USED, REPRODUCED, OR DISCLOSED IN WHOLE OR PART, WITHOUT PRIOR WRITTEN CONSENT FROM JEFFREY MINING PRODUCTS.				
DRAWING NO. 52.	SHEET NO. 9	TI	ART 36 MACHIN HIS CHECK LIS -100-0,-1 31-73-2	Т:	PPROVAL NUMBERS THAT USE -7 31-88-0				
DRAWN K.DERRICK	DATE 1/25/85		R E V	A 4/18/97					
K.DERRICK	DATE 1/30/85			KRT					

SWITCH IS WIRED SUCH THAT ALL POWER CONDUCTORS IN THE CABLE(S) SUPPLYING ELECTRICAL ENERGY TO THE HEADLIGHTS ARE DEENERGIZED WHEN THE SWITCH IS PLACED IN THE "OFF" POSITION. TO VERIFY THE ABOVE, REMOVE THE COVER FROM THE ELECTRICAL ENCLOSURE HOUSING THE HEADLIGHT SWITCH; REMOVE THE TWO MAIN POWER WIRES (FROM THE ALTERNATOR) FROM THE SWITCH TERMINALS; PLACE THE SWITCH OPERATOR IN THE "OFF" POSITION; USE AN OHMMETER OR SIMILAR INSTRUMENT TO VERIFY THAT THE INPUT POWER WIRE TERMINALS ON THE SWITCH ARE DISCONNECTED FROM ALL OTHER WIRES ATTACHED TO THE SWITCH TERMINALS; RECONNECT THE POWER WIRES TO THE SWITCH TERMINALS.

3. () FUSES ARE INSTALLED, IN THE WIRING LOCATED INSIDE THE ALTERNATOR HOUSING, FOR SHORT CIRCUIT PROTECTION OF EACH POWER CONDUCTOR IN THE LIGHTING SYSTEM.

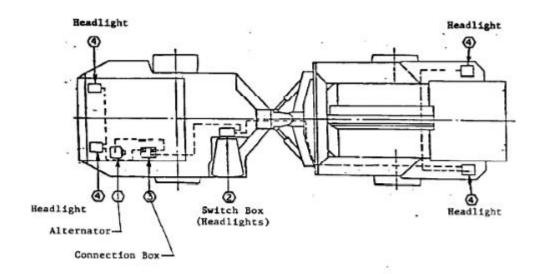
TO VERIFY THE ABOVE, DISASSEMBLE THE ALTERNATOR ENCLOSURE; EXAMINE THE WIRING AND EACH FUSE. VERIFY THAT A FUSE, NOT EXCEEDING 15 AMPS IS INSTALLED IN EACH POWER CONDUCTOR OF THE ALTERNATOR CABLE.

4. () PROPER BULBS HAVE BEEN INSTALLED IN THE HEADLIGHTS.

TO VERIFY THE ABOVE, DISASSEMBLE THE HEADLIGHTS; A 13 VOLT AND 50 OR 60 WATT BULB IS INSTALLED.

		TTLE: ELECTRIC Y CHECKLIST	CAL SYS	TEM	MINE SAFETY & HEALTH ADMIT APPROVED PRINT. NO DEVIATION OR LEGAL UNTIL APPROVED BY MSHA		- '
DISTR.	STD:	SPECIAL:	ENG. SEC	PRINT	DRAWING NUMBER	SHEET	OF
CODE				LOCATION:		NO.	10
SEE DRG.	В		L.		523A586	9	SHEETS
					J23A300		

JEFFREY	JEFFREY MINING 274 EAST 1ST AV COLUMBUS, OHI	CONFIDENTIAL INFORMATION AND IS THE EXCLUSIVE PROPERTY OF JEFFREY MINING PRODUCTS. NEITHER THE DRAWING OR ITS CONTENTS ARE TO BE USED, REPRODUCED, OR DISCLOSED IN WHOLE OR PART, WITHOUT PRIOR WRITTEN CONSENT FROM JEFFREY MINING PRODUCTS.					OF TTS. ITS EED, IN					
DRAWING NO.		SHEET NO.		ART 36 M HIS CHEO	ACHINE AF	PROVAL	NUMB	ER	S T	ΉA	ΤU	JSE
5	23A586	10			31-73-2 thru-	-7 31-88-0						
DRAWN K.DERRICK	DATE 1/25/85		R E	A 4/18/97								
CHECKED K.DERRICK	DATE 1/30/85		V	KRT								



MACHINE LAYOUT DRAWING

		TTLE: ELECTRIC Y CHECKLIST	CAL SYS	TEM	MINE SAFETY & HEALTH ADMII APPROVED PRINT. NO DEVIATION OR LEGAL UNTIL APPROVED BY MSHA		- •
DISTR.	STD:	SPECIAL:	ENG. SEC	PRINT	DRAWING NUMBER	SHEET	OF 40
CODE	_			LOCATION:		NO.	10
SEE DRG. B L.				523A586	10	SHEETS	
					020,1000		