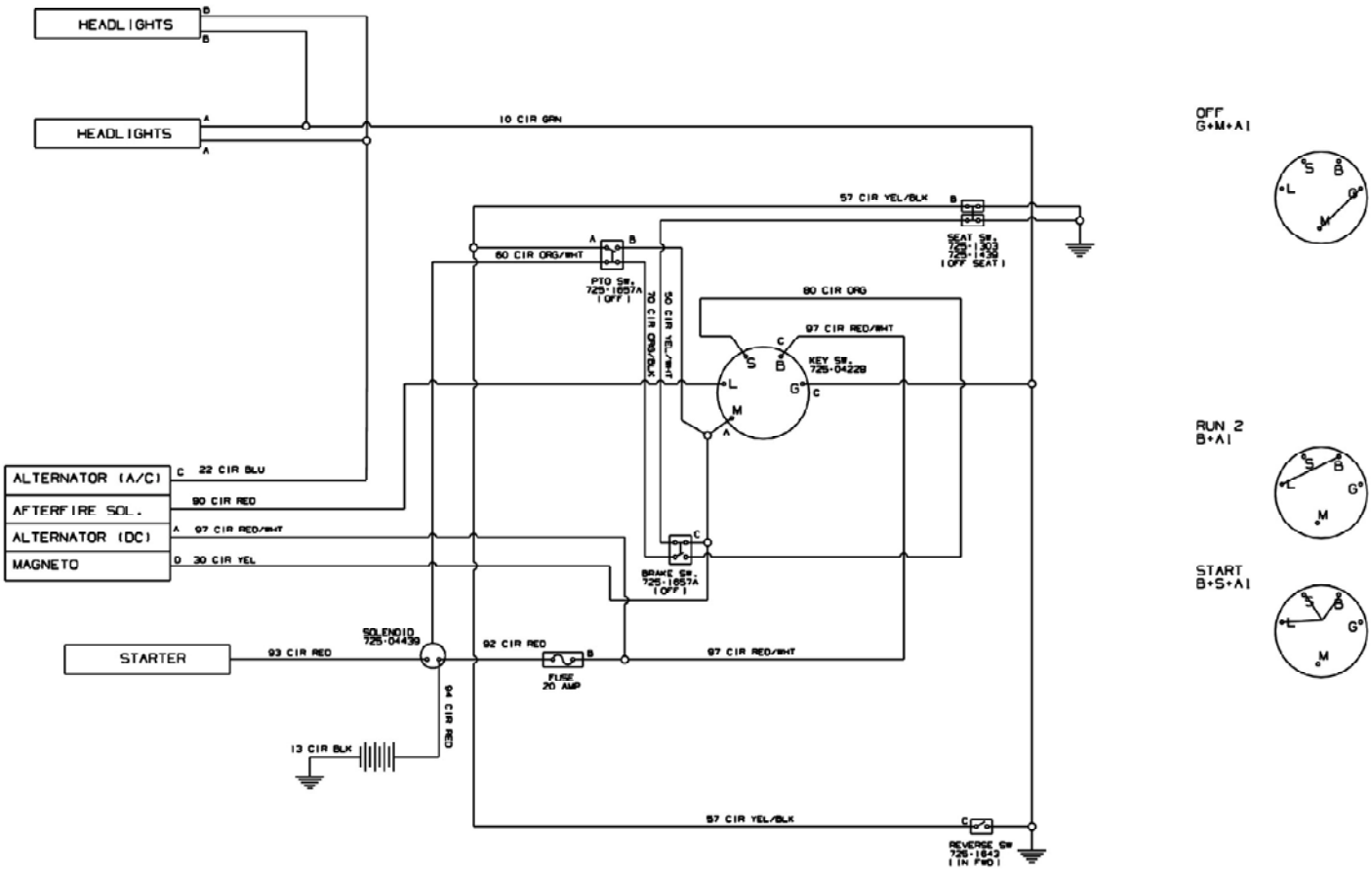

HEADLIGHTS
HEADLIGHTS
10 CIR GRN
57 CIR YEL/BLK
SEAT SW.
725-1303
725-1430
(OFF SEAT)
60 CIR ORG/WHT
PTO SW.
725-1657A
(OFF)
30 CIR ORG/BLK
50 CIR YEL/WHT
60 CIR ORG
97 CIR RED/WHT
KEY SW.
725-04229
ALTERNATOR (A/C)
AFTERFIRE SOL.
ALTERNATOR (DC)
MAGNETO
22 CIR BLU
90 CIR RED
97 CIR RED/WHT
30 CIR YEL
BRAKE SW.
725-1657A
(OFF)
SOLENOID
725-04439
STARTER
93 CIR RED
92 CIR RED
FUSE
20 AMP
97 CIR RED/WHT
94 CIR RED
13 CIR BLK
57 CIR YEL/BLK
REVERSE SW
725-1642
(IN REV)
OFF
G+M+AI
RUN 2
B+AI
START
B+S+AI

ITEM NO. 725_04567 :REV P01

REVISIONS

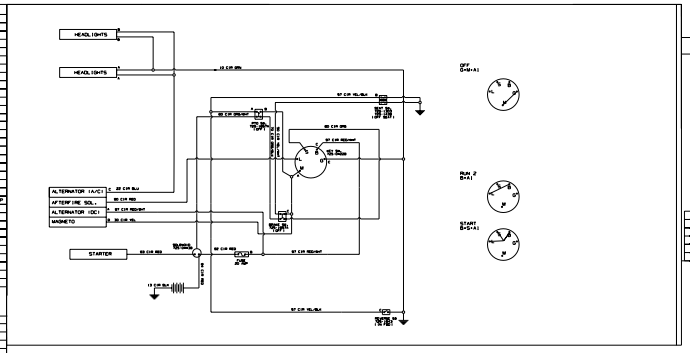
REV	ZONE	DESCRIPTION	DATE	BY
P00		RELEASED FOR PRODUCTION	08/24/2007	PGFISHER
P01	-	C10 is 4.000" FROM PT.1: ECO	10/26/2007	PGFISHER
	-	30941		

BILL OF MATERIAL

ITEM	PART NUMBER	QUANTITY	DESCRIPTION
01	1-480704-0	1	CONN1 TYCO1 PLUG1 8 CAVITY
02B	2-520261-2	1	TERM1 AMP1 PLAG1 0.187"
02A	2-520263-2	1	TERM1 AMP1 PLAG1 0.250"
03	52041-9	1	TERM1 RING1 1/4" STUD
04	7000-02-9909	1	SOC1 LAMPHOLDER 1/4 TURN FASTEX
05	7000-02-9909	1	SOC1 LAMPHOLDER 1/4 TURN FASTEX
06	02973422	1	CONN1 PACKARD1 PLUG1 5 CAVITY1 56 SERIES
07	52041-9	1	TERM1 RING1 1/4" STUD
08	02973422	1	CONN1 PACKARD1 PLUG1 5 CAVITY1 56 SERIES
09B	2-520261-2	1	TERM1 AMP1 PLAG1 0.187"
09A	2-520263-2	1	TERM1 AMP1 PLAG1 0.250"
10	63954-1	1	TERM1 AMP1 PLAG1 0.250"
10	521120-1	1	TERM1 AMP1 PLAG1 0.250"
11	63954-1	1	TERM1 AMP1 POSITIVE LOCK PLAG1 0.250"
11	521120-1	1	TERM1 AMP1 POSITIVE LOCK HOSING1 0.250"
12	63954-1	1	TERM1 AMP1 POSITIVE LOCK PLAG1 0.250"
12	521120-1	1	TERM1 AMP1 POSITIVE LOCK HOSING1 0.250"
13	52041-9	1	TERM1 RING1 1/4" STUD
14	63954-1	1	TERM1 AMP1 POSITIVE LOCK PLAG1 0.250"
14	521120-1	1	TERM1 AMP1 POSITIVE LOCK HOSING1 0.250"
15	52041-9	1	TERM1 RING1 1/4" STUD
16	12010105	1	CONN1 PACKARD1 FUSE1 2 CAVITY1 KEA/W 08005563 SLIDE ON CLIP
FUSE	ATC 20	1	AUTMOTIVE TYPE FUSE1 BUSSMANN COOPER1 20 AMP
17	52041-9	1	TERM1 RING1 1/4" STUD
18	52041-9	1	TERM1 RING1 1/4" STUD
19	63954-1	1	TERM1 AMP1 POSITIVE LOCK PLAG1 0.250"
19	521120-1	1	TERM1 AMP1 POSITIVE LOCK HOSING1 0.250"
20	02973422	1	CONN1 PACKARD1 PLUG1 5 CAVITY1 56 SERIES
21	29-0710-001	1	ROUND BATTERY BOOT1 9MM9 1 RED
C1-C10	729 0359	9	CLIP1 PACKARD1 HARNESS1 TAPE ON
CT1-CT3	N/A	3	CONVOLUTED CONDUIT1 SEE MANUFACTURING NOTES
N/A	HEAT SHRINK	3	SEE MANUFACTURING NOTES

CRITICAL CHARACTERISTICS & MATERIAL SPECIFICATIONS

COMPONENT	CRITICAL CHARACTERISTIC OR MATERIAL SPECIFICATION
18 GAUGE WIRE	MEET OR EXCEED REQUIREMENT OF SAE J1128 FOR GPT LOW-TENSION PRIMARY CABLE
14 GAUGE WIRE	MEET OR EXCEED REQUIREMENT OF SAE J1128 FOR GPT LOW-TENSION PRIMARY CABLE
8 GAUGE WIRE	MEET OR EXCEED REQUIREMENT OF SAE J1128 FOR GPT LOW-TENSION PRIMARY CABLE
1-480704-0	MUST MATE WITH TYCO PART NUMBER 1-480705-0 OR EQUIVALENT
12010105	MUST BE ABLE TO RETAIN ATC 20 FUSE AND ACCOMPLISH CLIP FEATURE OF 08005563
972311	MUST BE ABLE TO MATE WITH DELTA SYSTEMS, INC. P/N1 6900-37P
02973422	MUST BE ABLE TO MATE WITH DELTA SYSTEMS, INC. P/N1 6700-50B
1217884	MUST FIT HOLE SIZE OF 8.38MM FOR SHEET METAL THICKNESS OF 3.81MM
29-0710-001	CABLE ENTRY OF 8.4MM O.D. MAXIMUM, COVERING 38.4MM2 > 30.5MM2
ATC 20	AMPERAGE RATINGS 20 AMP VOLTAGE RATINGS 32 VOLTS HOUSING COLOR1 YEL
52041-9	CLEARANCE FOR 1/4" STUD, STOCK THICKNESS OF 1.08 MM
640841-1	FIT INTO PACKARD P/N1 02973422 OR EQUIVALENT AND ACCEPT PACKARD P/N1 02985461 OR EQUIVALENT
60700-3	CLEARANCE FOR 1/4" STUD, STOCK THICKNESS OF 0.51 MM
42899-3	CLEARANCE FOR 1/4" STUD, STOCK THICKNESS OF 1.02 MM
350218-1	FIT INTO TYCO P/N 1-480704-0 OR EQUIVALENT AND MATE WITH TYCO P/N1 350536-1 OR EQUIVALENT
2-520263-2	MUST BE FULLY INSULATED AND ACCEPT TAB SIZE OF .032" THICKNESS x .250" WIDTH
640417-1	FIT INTO PACKARD P/N1 02973422 OR EQUIVALENT AND ACCEPT PACKARD P/N1 02985461 OR EQUIVALENT
12020334	FIT INTO PACKARD P/N1 12010105 OR EQUIVALENT AND MATE WITH ATC 20 FUSE OR EQUIVALENT
2-520261-2	MUST BE FULLY INSULATED AND ACCEPT TAB SIZE OF .032" THICKNESS x .187" WIDTH
39-01-2080	MUST BE ABLE TO MATE WITH DELTA SYSTEMS RMC MODULE.
63954-1	MUST ACCEPT TAB SIZE OF .032" THICKNESS x .250" WIDTH



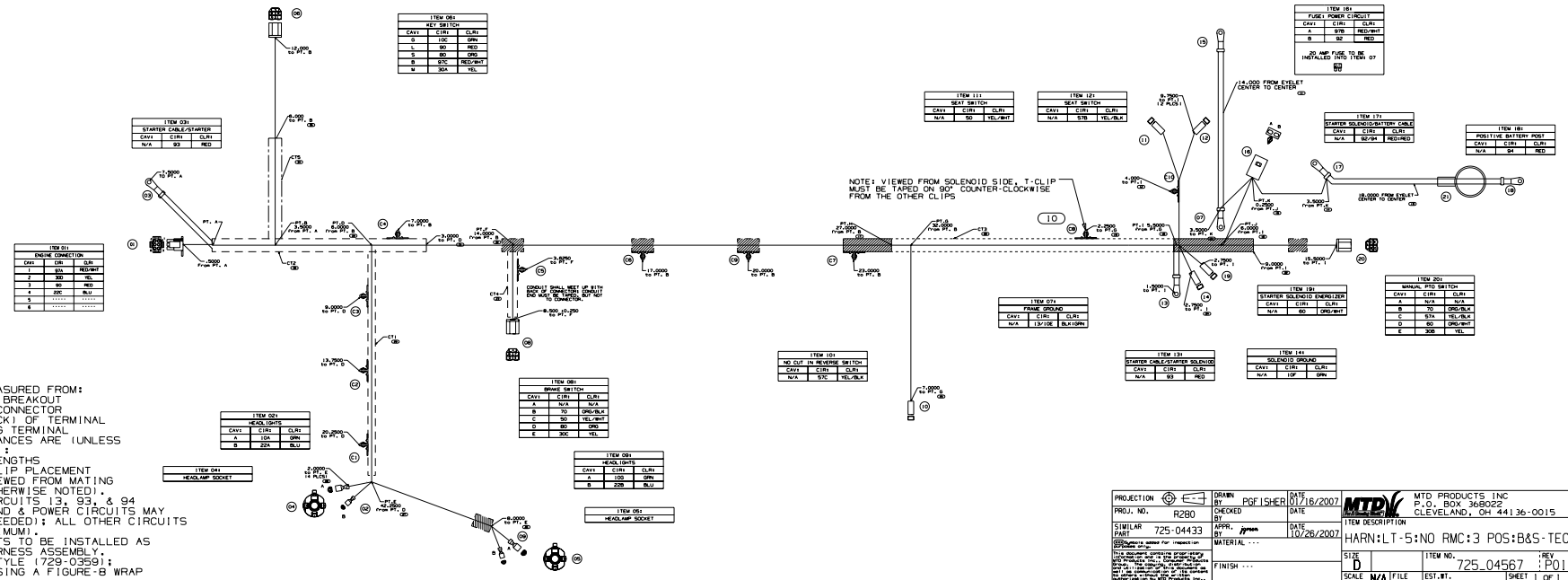
HARNESS COVERING

DENOTES THE USE OF VINYL TAPE TO HOLD WIRE BUNDLE TOGETHER. A MINIMUM OF TWO COMPLETE WRAPS AROUND THE BUNDLE IS REQUIRED IN THE AREAS WITH THIS NOTATION. THE WIDTH OF EACH SPOT TAPE IS A MINIMUM OF ONE INCH WHEN MEASURED AXIALLY.

DENOTES THE USE OF VINYL TAPE TO COVER AND PROTECT WIRE BUNDLE. OVERLAP OF VINYL TAPE DURING APPLICATION SHOULD BE THAT NO WIRES ARE VISIABLE IN THE INDICATED AREA ONCE HAS BEEN APPLIED.

DENOTES THE USE OF CONVOLUTED CONDUIT TO COVER AND PROTECT WIRE BUNDLE. NO WIRE IS TO BE VISIBLE AFTER APPLICATION OF CONDUIT. CONDUIT ENDS MUST BE SECURED TO WIRE BUNDLE SUCH THAT CONDUIT CAN NOT SLIDE AXIALLY. USE CONDUIT AS FOLLOWS1

ITEM	LENGTH1MM	MATERIAL	ID1MM	OD1MM	CONTINUOUS OPER. TEMP. RNG. C	HEAT EXPOSITION TEMP. 10SS C	SPEC1 SPEC
CT1	1100	PP	6.70/8.00	10.15/9.96	125	195	R-84499
CT2	810	PA	15.00/15.37	21.23/20.60	120	180	R-88238
CT3	267	PA	12.83/12.29	17.65/17.02	120	180	R-88237
CT4	235	PP	6.70/8.00	10.15/9.96	125	195	R-84499
CT5	153	PA	9.19/8.56	13.11/12.47	120	180	R-88235



NOTES:

1. DIMENSIONS - MEASURED FROM:
   - •CENTERLINE OF BREAKOUT
   - •WIRE SIDE OF CONNECTOR
   - •WIRE SIDE (BACK) OF TERMINAL
   - •CENTER OF RING TERMINAL
2. DIMENSION TOLERANCES ARE (UNLESS OTHERWISE NOTED):
   - •±0.500" FOR LENGTHS
   - •±0.125" FOR CLIP PLACEMENT
3. CONNECTORS - VIEWED FROM MATING SIDE (UNLESS OTHERWISE NOTED).
4. WIRE GAUGE - CIRCUITS 13, 93, & 94 ARE 8 AWG; GROUND & POWER CIRCUITS MAY BE 14 AWG (IF NEEDED); ALL OTHER CIRCUITS ARE 18 AWG (MINIMUM).
5. HEADLIGHT SOCKETS TO BE INSTALLED AS PART OF WIRE HARNESS ASSEMBLY.
6. CLIPS - USE T-STYLE (729-0359); MUST BE TAPED USING A FIGURE-8 WRAP

PROJECTION	DRAWN BY PGFISHER	DATE 07/16/2007	MTD PRODUCTS INC P.O. BOX 368022 CLEVELAND, OH 44136-0015
PROJ. NO. R280	CHECKED BY	DATE	
SIMILAR PART 725-04433	APPR. BY	DATE 10/26/2007	ITEM DESCRIPTION HARN:LT-5:NO RMC:3 POS:B&S-TEC
	MATERIAL ---		
	FINISH ---		SIZE D / ITEM NO. 725_04567 :REV P01
			SCALE N/A / FILE / EST.WT. / SHEET 1 OF 1

Released On: 10/26/2007