

WIRING DIAGRAM 2005 RANGER TM

2005 RANGER TM DASH PAGE 1
 A1VJ05 RANGER TM DASH (MODEL NO. A03803AA)

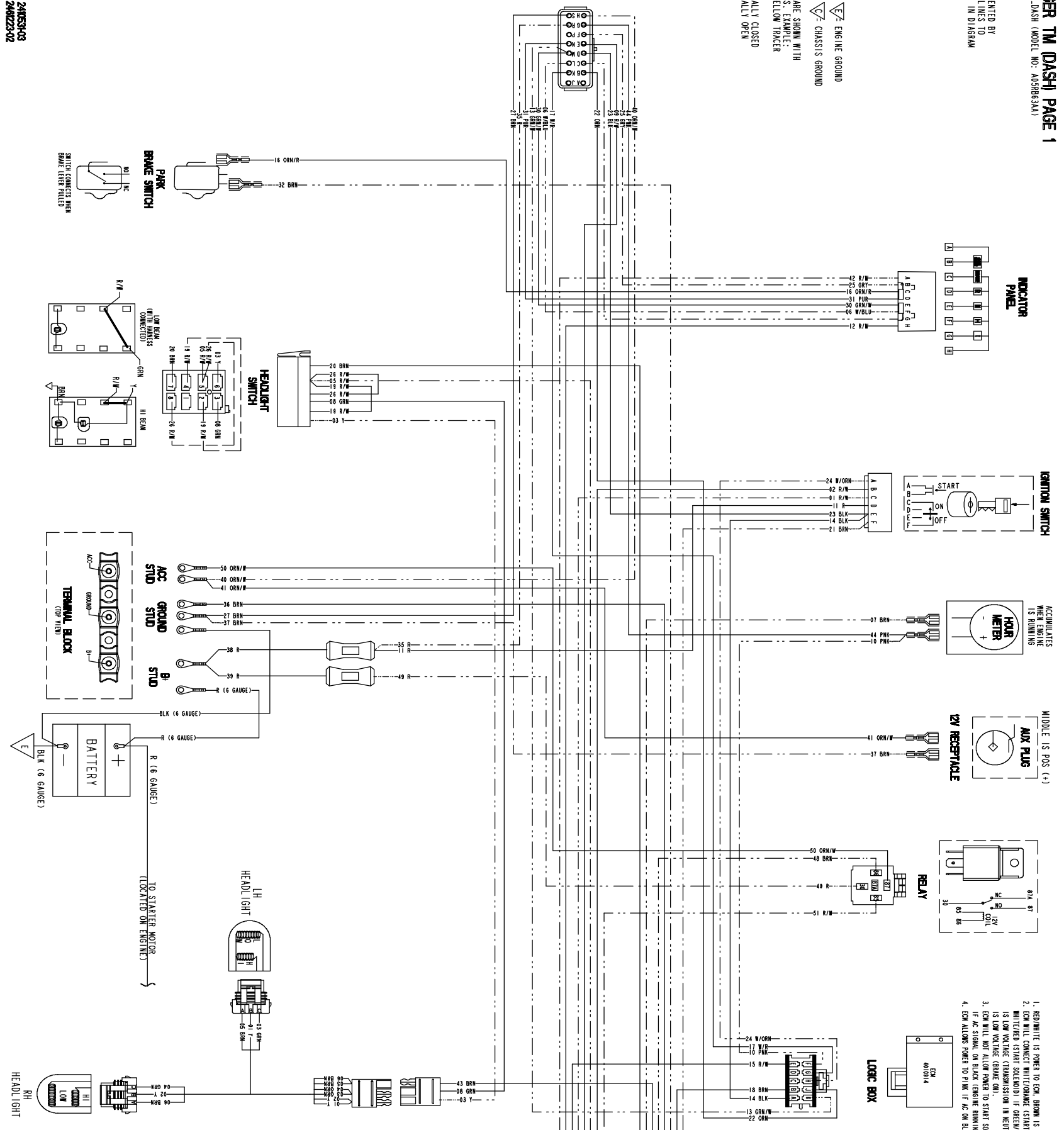
PAGE 1: DASH
 PAGE 2: CHASSIS
 WIRES ARE REPRESENTED BY
 SOLID OR DASHED LINES TO
 SIMPLIFY TRACING IN DASH/M

COLOR CODE:
 BLK = BLACK
 BRN = BROWN
 GRN = GREEN
 PNM = PINK
 BLU = BLUE
 GRV = GRAY
 OR = ORANGE
 Y = YELLOW
 R = RED
 W = WHITE

ENGINE GROUND
 CHASSIS GROUND

TWO COLOR WIRES ARE SHOWN WITH
 MAIN/TRACE COLORS - EXAMPLE:
 R/Y = RED WITH YELLOW TRACER
 NC = SWITCH NORMALLY CLOSED
 NO = SWITCH NORMALLY OPEN

DASH HARNESS 24023403
 HOOD HARNESS 240223402



1. RED/WHITE IS POWER TO ECM. BROWN IS GROUND.
2. ECM WILL CONNECT MULTICOILS (START FROM LEFT) TO WHITE/RED (START SENSOR). IF GREEN/WHITE IS LOW VOLTAGE (TRANSMISSION IN NEUTRAL) OR ORANGE IS LOW VOLTAGE (BRAKE ON).
3. ECM WILL NOT ALLOW POWER TO START SENSOR IF AC SIGNAL ON BLACK (ENGINE RUNNING).
4. ECM ALLOWS POWER TO PINK IF AC ON BLACK.

WIRE TERMINATION TABLE

| REF # | COLOR | GAUGE | FROM CONNECTION | TO CONNECTION |
|-------|------------|-------|----------------------|-------------------------|
| 1 | RED | 16 | IGNITION SWITCH | R/W X BRN SP-ICE SWAYER |
| 2 | RED | 16 | IGNITION SWITCH | R/W X BRN SP-ICE SWAYER |
| 3 | YELLOW | 16 | HEADLIGHT SWITCH | HEADLIGHT HARNESS |
| 4 | YELLOW | 16 | HEADLIGHT SWITCH | HEADLIGHT HARNESS |
| 5 | WHITE/BLUE | 16 | MAIN CHASSIS HARNESS | INDICATOR PANEL |
| 6 | WHITE/BLUE | 16 | MAIN CHASSIS HARNESS | INDICATOR PANEL |
| 7 | RED | 16 | IGNITION SWITCH | RELAY |
| 8 | RED | 16 | IGNITION SWITCH | RELAY |
| 9 | RED | 16 | IGNITION SWITCH | RELAY |
| 10 | RED | 16 | IGNITION SWITCH | RELAY |
| 11 | RED | 16 | IGNITION SWITCH | RELAY |
| 12 | RED | 16 | IGNITION SWITCH | RELAY |
| 13 | RED | 16 | IGNITION SWITCH | RELAY |
| 14 | RED | 16 | IGNITION SWITCH | RELAY |
| 15 | RED | 16 | IGNITION SWITCH | RELAY |
| 16 | RED | 16 | IGNITION SWITCH | RELAY |
| 17 | RED | 16 | IGNITION SWITCH | RELAY |
| 18 | RED | 16 | IGNITION SWITCH | RELAY |
| 19 | RED | 16 | IGNITION SWITCH | RELAY |
| 20 | RED | 16 | IGNITION SWITCH | RELAY |
| 21 | RED | 16 | IGNITION SWITCH | RELAY |
| 22 | RED | 16 | IGNITION SWITCH | RELAY |
| 23 | RED | 16 | IGNITION SWITCH | RELAY |
| 24 | RED | 16 | IGNITION SWITCH | RELAY |
| 25 | RED | 16 | IGNITION SWITCH | RELAY |
| 26 | RED | 16 | IGNITION SWITCH | RELAY |
| 27 | RED | 16 | IGNITION SWITCH | RELAY |
| 28 | RED | 16 | IGNITION SWITCH | RELAY |
| 29 | RED | 16 | IGNITION SWITCH | RELAY |
| 30 | RED | 16 | IGNITION SWITCH | RELAY |
| 31 | RED | 16 | IGNITION SWITCH | RELAY |
| 32 | RED | 16 | IGNITION SWITCH | RELAY |
| 33 | RED | 16 | IGNITION SWITCH | RELAY |
| 34 | RED | 16 | IGNITION SWITCH | RELAY |
| 35 | RED | 16 | IGNITION SWITCH | RELAY |
| 36 | RED | 16 | IGNITION SWITCH | RELAY |
| 37 | RED | 16 | IGNITION SWITCH | RELAY |
| 38 | RED | 16 | IGNITION SWITCH | RELAY |
| 39 | RED | 16 | IGNITION SWITCH | RELAY |
| 40 | RED | 16 | IGNITION SWITCH | RELAY |
| 41 | RED | 16 | IGNITION SWITCH | RELAY |
| 42 | RED | 16 | IGNITION SWITCH | RELAY |
| 43 | RED | 16 | IGNITION SWITCH | RELAY |
| 44 | RED | 16 | IGNITION SWITCH | RELAY |
| 45 | RED | 16 | IGNITION SWITCH | RELAY |
| 46 | RED | 16 | IGNITION SWITCH | RELAY |
| 47 | RED | 16 | IGNITION SWITCH | RELAY |
| 48 | RED | 16 | IGNITION SWITCH | RELAY |
| 49 | RED | 16 | IGNITION SWITCH | RELAY |
| 50 | RED | 16 | IGNITION SWITCH | RELAY |
| 51 | RED | 16 | IGNITION SWITCH | RELAY |



WIRING DIAGRAM 2005 RANGER TM

2005 RANGER TM (CHASSIS) PAGE 2

ATV_05_RANGER_TM_CHASSIS (MODEL NO: A05R863AA)

PAGE 1: DASH
PAGE 2: CHASSIS

WIRES ARE REPRESENTED BY
SOLID OR DASHED LINES TO
SIMPLIFY TRACING IN DIAGRAM

ACCESSORY
BEEPER
(LOCATED ON LEFT
FRAME RAIL UNDER BOX)

BRAKE PRESSURE SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
(LOCATED UNDER NOSE
PANEL ON DRIVERS SIDE)

FUEL PUMP
(NOT USED)

ENGINE HARNESS
(LOCATED ON FRONT OF
ENGINE BEHIND ACCESS PANEL)

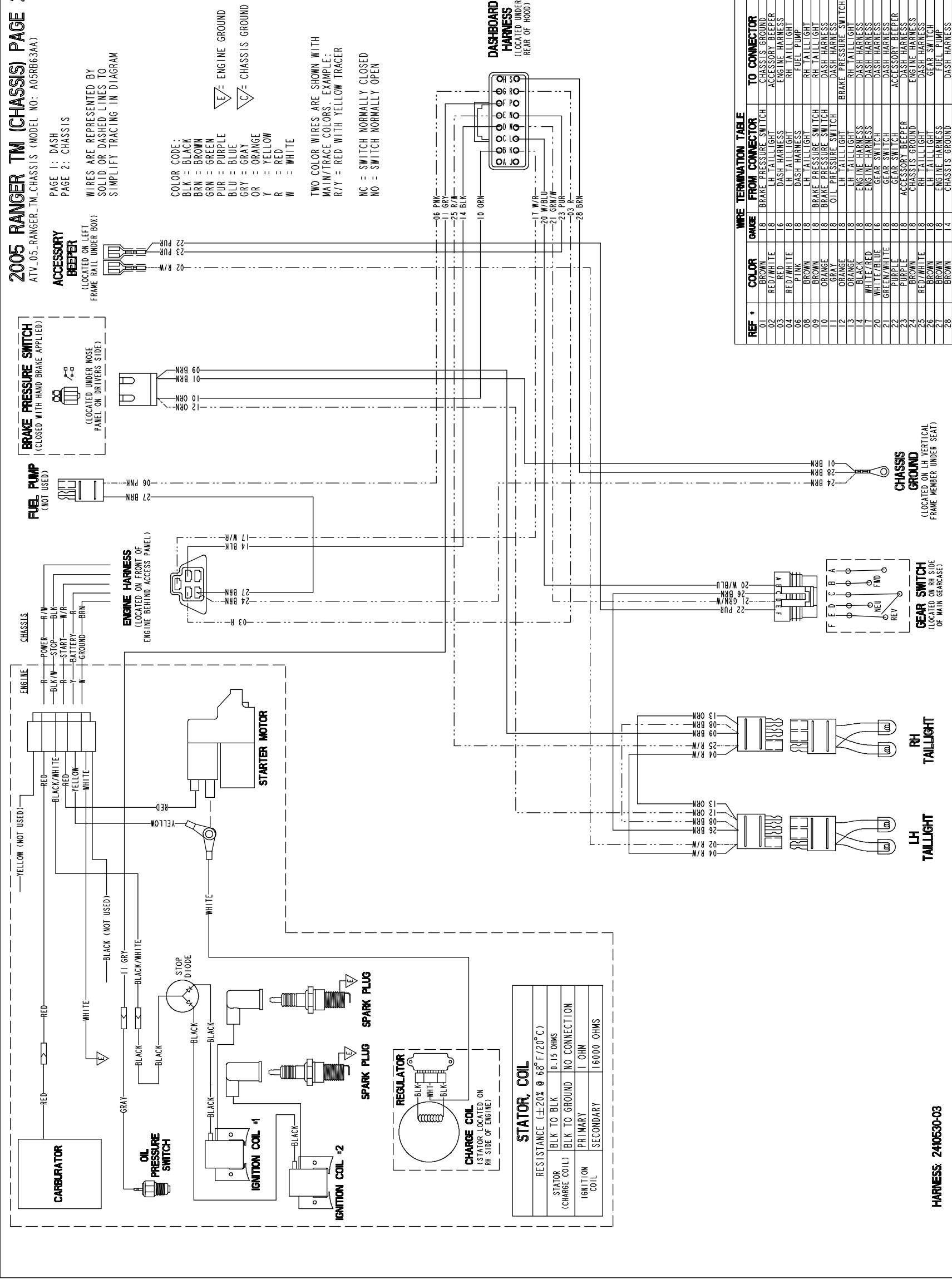
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE

E/ = ENGINE GROUND
C/ = CHASSIS GROUND

TWO COLOR WIRES ARE SHOWN WITH
MAIN/TRACE COLORS. EXAMPLE:
R/Y = RED WITH YELLOW TRACER

NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN

DASHBOARD
HARNESS
(LOCATED UNDER
REAR OF HOOD)



| REF # | COLOR | GAUGE | WIRE TERMINATION TABLE | FROM CONNECTOR | TO CONNECTOR |
|-------|-------------|-------|------------------------|-----------------------|-----------------------|
| 01 | BROWN | 18 | CHASSIS GROUND | CHASSIS GROUND | CHASSIS GROUND |
| 02 | RED/WHITE | 18 | BRAKE PRESSURE SWITCH | LH TAILLIGHT | ACCESSORY BEEPER |
| 03 | RED | 16 | DASH HARNESS | LH TAILLIGHT | ENGINE HARNESS |
| 04 | RED/WHITE | 18 | DASH HARNESS | RH TAILLIGHT | RH TAILLIGHT |
| 06 | BROWN | 18 | DASH HARNESS | FUEL PUMP | FUEL PUMP |
| 08 | PINK | 18 | LH TAILLIGHT | RH TAILLIGHT | RH TAILLIGHT |
| 09 | BROWN | 18 | BRAKE PRESSURE SWITCH | RH TAILLIGHT | RH TAILLIGHT |
| 10 | ORANGE | 18 | BRAKE PRESSURE SWITCH | DASH HARNESS | DASH HARNESS |
| 12 | ORANGE | 18 | OIL PRESSURE SWITCH | DASH HARNESS | DASH HARNESS |
| 13 | ORANGE | 18 | LH TAILLIGHT | BRAKE PRESSURE SWITCH | BRAKE PRESSURE SWITCH |
| 14 | ORANGE | 18 | RH TAILLIGHT | RH TAILLIGHT | RH TAILLIGHT |
| 17 | WHITE/RED | 18 | ENGINE HARNESS | DASH HARNESS | DASH HARNESS |
| 20 | WHITE/BLUE | 16 | ENGINE HARNESS | DASH HARNESS | DASH HARNESS |
| 21 | GREEN/WHITE | 18 | GEAR SWITCH | DASH HARNESS | DASH HARNESS |
| 22 | PURPLE | 18 | GEAR SWITCH | ACCESSORY BEEPER | ACCESSORY BEEPER |
| 23 | PURPLE | 18 | ACCESSORY BEEPER | DASH HARNESS | DASH HARNESS |
| 24 | BROWN | 18 | CHASSIS GROUND | ENGINE HARNESS | ENGINE HARNESS |
| 25 | RED/WHITE | 18 | RH TAILLIGHT | DASH HARNESS | DASH HARNESS |
| 26 | BROWN | 18 | LH TAILLIGHT | ENGINE HARNESS | ENGINE HARNESS |
| 27 | BROWN | 18 | LH TAILLIGHT | FUEL PUMP | FUEL PUMP |
| 28 | BROWN | 14 | CHASSIS GROUND | DASH HARNESS | DASH HARNESS |

CHASSIS GROUND
(LOCATED ON LH VERTICAL
FRAME MEMBER UNDER SEAT)

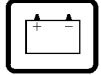
GEAR SWITCH
(LOCATED ON RH SIDE
OF MAIN GEARCASE)

RH
TAILLIGHT

LH
TAILLIGHT

| STATOR, COIL | |
|-------------------------------|-----------------------------|
| RESISTANCE (±20% @ 68°F/20°C) | |
| STATOR (CHARGE COIL) | BLK TO BLK 0.15 OHMS |
| IGNITION COIL | BLK TO GROUND NO CONNECTION |
| PRIMARY | 1 OHM |
| SECONDARY | 16000 OHMS |

HARNESS: 2410530-03



WIRING DIAGRAM 2006 RANGER TM

2006 RANGER TM (DASH) PAGE 1

ATV-06-RANGER-TM-DASH (MODEL NO: 108883AA)

PAGE 1: DASH
PAGE 2: CHASSIS

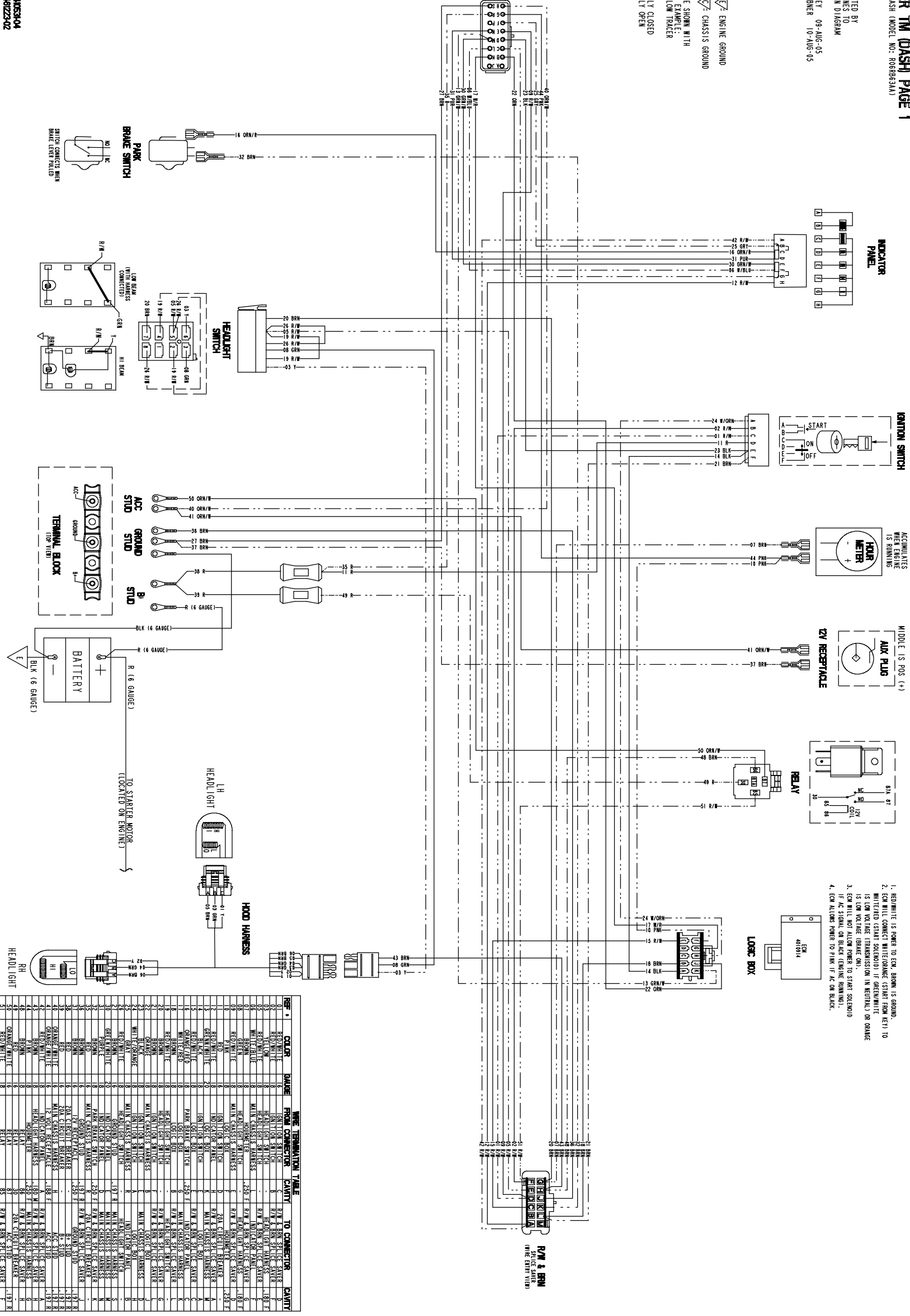
WIRES ARE REPRESENTED BY
SOLID OR DASHED LINES TO
SIMILITY TRACKING IN DIAGRAM

DRAFTED BY: C. DICKEY 09-AUG-05
APPROVED BY: B. TEBNER 10-AUG-05

COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
W = WHITE
M = CHASSIS GROUND

TWO COLOR WIRES ARE SHOWN WITH
MAIN/RED COLOR TRACKER
R/Y = RED WITH YELLOW TRACKER
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN

DASH HARNESS 24083A-04
HOOD HARNESS 240223-02



1. RED/WHITE IS POWER TO ECM. BROWN IS GROUND.
2. ECM WILL CONNECT WITH POWER (START FROM ACT1) TO WHITE/RED (START SIGNAL). IF GREEN/WHITE IS LOW VOLTAGE (TRANSMISSION IN NEUTRAL) OR ORANGE IS LOW VOLTAGE (BRAKE ON).
3. ECM WILL NOT ALLOW POWER TO START SIGNAL IF AC SIGNAL OR BLACK (ENGINE RUNNING).
4. ECM ALLOWS POWER TO FUEL IF AC OR BLACK.

| WIRE # | COLOR | GAUGE | FROM CONNECTOR | CAVITY | TO CONNECTOR | CAVITY |
|--------|------------|-------|----------------------|--------|-------------------------|--------|
| 01 | RED/WHITE | 16 | IGNITION SWITCH | 5 | R/Y & BRN SPlice SWIVER | 5 |
| 02 | RED/WHITE | 18 | IGNITION SWITCH | 6 | R/Y & BRN SPlice SWIVER | 6 |
| 03 | RED/WHITE | 18 | HEADLIGHT SWITCH | 1 | R/Y & BRN SPlice SWIVER | 1 |
| 04 | RED/WHITE | 18 | HEADLIGHT SWITCH | 2 | R/Y & BRN SPlice SWIVER | 2 |
| 05 | WHITE/BLUE | 18 | MAIN CHASSIS HARNESS | 1 | R/Y & BRN SPlice SWIVER | 1 |
| 06 | RED/WHITE | 18 | HEADLIGHT SWITCH | 3 | R/Y & BRN SPlice SWIVER | 3 |
| 07 | RED/WHITE | 18 | HEADLIGHT SWITCH | 4 | R/Y & BRN SPlice SWIVER | 4 |
| 08 | RED/WHITE | 18 | HEADLIGHT SWITCH | 5 | R/Y & BRN SPlice SWIVER | 5 |
| 09 | RED/WHITE | 18 | HEADLIGHT SWITCH | 6 | R/Y & BRN SPlice SWIVER | 6 |
| 10 | RED/WHITE | 18 | HEADLIGHT SWITCH | 7 | R/Y & BRN SPlice SWIVER | 7 |
| 11 | RED/WHITE | 18 | HEADLIGHT SWITCH | 8 | R/Y & BRN SPlice SWIVER | 8 |
| 12 | RED/WHITE | 18 | HEADLIGHT SWITCH | 9 | R/Y & BRN SPlice SWIVER | 9 |
| 13 | RED/WHITE | 18 | HEADLIGHT SWITCH | 10 | R/Y & BRN SPlice SWIVER | 10 |
| 14 | RED/WHITE | 18 | HEADLIGHT SWITCH | 11 | R/Y & BRN SPlice SWIVER | 11 |
| 15 | RED/WHITE | 18 | HEADLIGHT SWITCH | 12 | R/Y & BRN SPlice SWIVER | 12 |
| 16 | RED/WHITE | 18 | HEADLIGHT SWITCH | 13 | R/Y & BRN SPlice SWIVER | 13 |
| 17 | RED/WHITE | 18 | HEADLIGHT SWITCH | 14 | R/Y & BRN SPlice SWIVER | 14 |
| 18 | RED/WHITE | 18 | HEADLIGHT SWITCH | 15 | R/Y & BRN SPlice SWIVER | 15 |
| 19 | RED/WHITE | 18 | HEADLIGHT SWITCH | 16 | R/Y & BRN SPlice SWIVER | 16 |
| 20 | RED/WHITE | 18 | HEADLIGHT SWITCH | 17 | R/Y & BRN SPlice SWIVER | 17 |
| 21 | RED/WHITE | 18 | HEADLIGHT SWITCH | 18 | R/Y & BRN SPlice SWIVER | 18 |
| 22 | RED/WHITE | 18 | HEADLIGHT SWITCH | 19 | R/Y & BRN SPlice SWIVER | 19 |
| 23 | RED/WHITE | 18 | HEADLIGHT SWITCH | 20 | R/Y & BRN SPlice SWIVER | 20 |
| 24 | RED/WHITE | 18 | HEADLIGHT SWITCH | 21 | R/Y & BRN SPlice SWIVER | 21 |
| 25 | RED/WHITE | 18 | HEADLIGHT SWITCH | 22 | R/Y & BRN SPlice SWIVER | 22 |
| 26 | RED/WHITE | 18 | HEADLIGHT SWITCH | 23 | R/Y & BRN SPlice SWIVER | 23 |
| 27 | RED/WHITE | 18 | HEADLIGHT SWITCH | 24 | R/Y & BRN SPlice SWIVER | 24 |
| 28 | RED/WHITE | 18 | HEADLIGHT SWITCH | 25 | R/Y & BRN SPlice SWIVER | 25 |
| 29 | RED/WHITE | 18 | HEADLIGHT SWITCH | 26 | R/Y & BRN SPlice SWIVER | 26 |
| 30 | RED/WHITE | 18 | HEADLIGHT SWITCH | 27 | R/Y & BRN SPlice SWIVER | 27 |
| 31 | RED/WHITE | 18 | HEADLIGHT SWITCH | 28 | R/Y & BRN SPlice SWIVER | 28 |
| 32 | RED/WHITE | 18 | HEADLIGHT SWITCH | 29 | R/Y & BRN SPlice SWIVER | 29 |
| 33 | RED/WHITE | 18 | HEADLIGHT SWITCH | 30 | R/Y & BRN SPlice SWIVER | 30 |
| 34 | RED/WHITE | 18 | HEADLIGHT SWITCH | 31 | R/Y & BRN SPlice SWIVER | 31 |
| 35 | RED/WHITE | 18 | HEADLIGHT SWITCH | 32 | R/Y & BRN SPlice SWIVER | 32 |
| 36 | RED/WHITE | 18 | HEADLIGHT SWITCH | 33 | R/Y & BRN SPlice SWIVER | 33 |
| 37 | RED/WHITE | 18 | HEADLIGHT SWITCH | 34 | R/Y & BRN SPlice SWIVER | 34 |
| 38 | RED/WHITE | 18 | HEADLIGHT SWITCH | 35 | R/Y & BRN SPlice SWIVER | 35 |
| 39 | RED/WHITE | 18 | HEADLIGHT SWITCH | 36 | R/Y & BRN SPlice SWIVER | 36 |
| 40 | RED/WHITE | 18 | HEADLIGHT SWITCH | 37 | R/Y & BRN SPlice SWIVER | 37 |
| 41 | RED/WHITE | 18 | HEADLIGHT SWITCH | 38 | R/Y & BRN SPlice SWIVER | 38 |
| 42 | RED/WHITE | 18 | HEADLIGHT SWITCH | 39 | R/Y & BRN SPlice SWIVER | 39 |
| 43 | RED/WHITE | 18 | HEADLIGHT SWITCH | 40 | R/Y & BRN SPlice SWIVER | 40 |
| 44 | RED/WHITE | 18 | HEADLIGHT SWITCH | 41 | R/Y & BRN SPlice SWIVER | 41 |
| 45 | RED/WHITE | 18 | HEADLIGHT SWITCH | 42 | R/Y & BRN SPlice SWIVER | 42 |
| 46 | RED/WHITE | 18 | HEADLIGHT SWITCH | 43 | R/Y & BRN SPlice SWIVER | 43 |
| 47 | RED/WHITE | 18 | HEADLIGHT SWITCH | 44 | R/Y & BRN SPlice SWIVER | 44 |
| 48 | RED/WHITE | 18 | HEADLIGHT SWITCH | 45 | R/Y & BRN SPlice SWIVER | 45 |
| 49 | RED/WHITE | 18 | HEADLIGHT SWITCH | 46 | R/Y & BRN SPlice SWIVER | 46 |
| 50 | RED/WHITE | 18 | HEADLIGHT SWITCH | 47 | R/Y & BRN SPlice SWIVER | 47 |
| 51 | RED/WHITE | 18 | HEADLIGHT SWITCH | 48 | R/Y & BRN SPlice SWIVER | 48 |

WIRING DIAGRAM 2006 RANGER TM



2006 RANGER TM (CHASSIS) PAGE 2
 ATV_06_RANGER_TM_CHASSIS (MODEL NO: R06RB3AA)

PAGE 1: DASH
 PAGE 2: CHASSIS

WIRES ARE REPRESENTED BY
 SOLID OR DASHED LINES TO
 SIMPLIFY TRACING IN DIAGRAM

DRAFTED BY: B. LANGLOIS 27-JUN-05
 APPROVED BY: B. TEUBNER 09-AUG-05

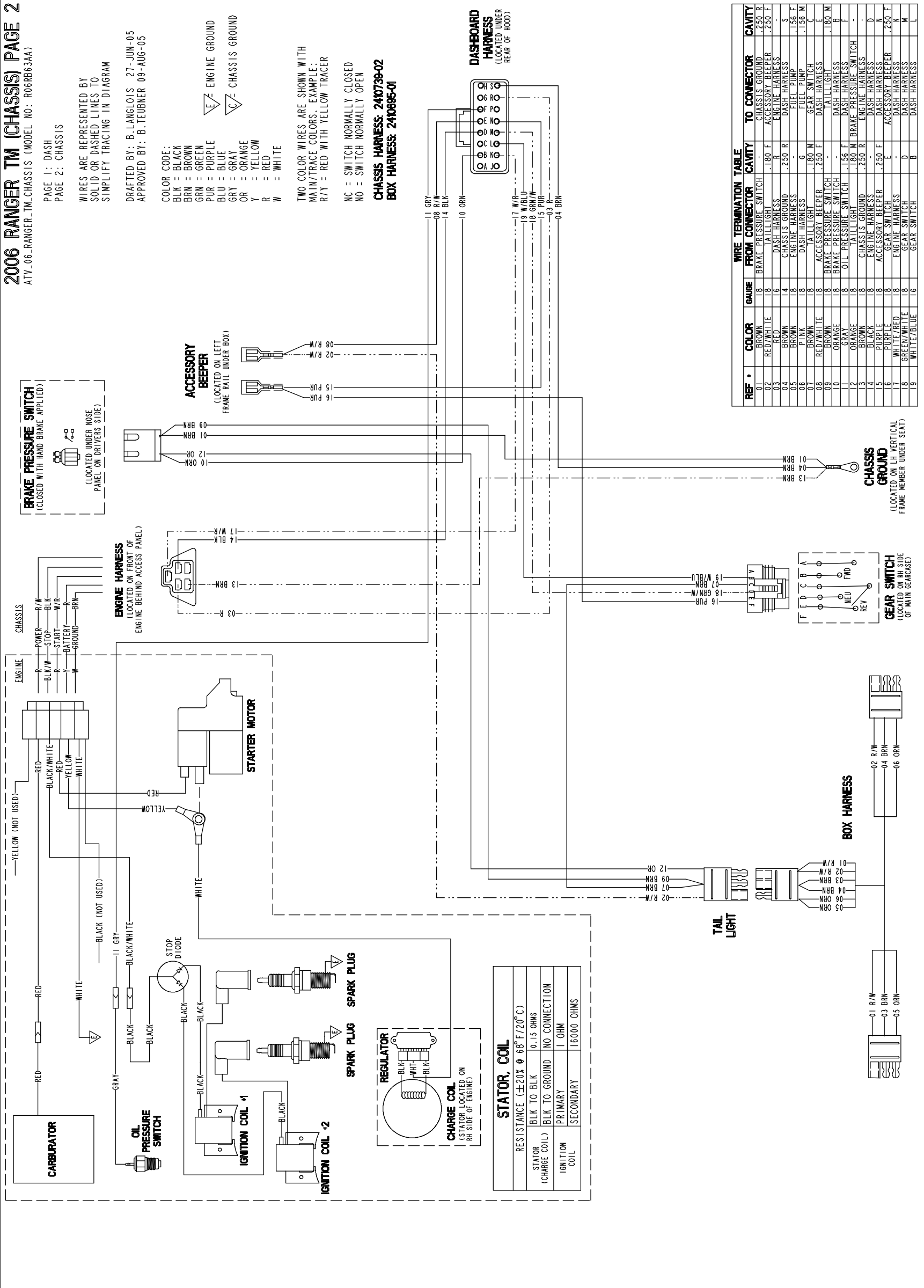
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 R = RED
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= ENGINE GROUND
 = CHASSIS GROUND

TWO COLOR WIRES ARE SHOWN WITH
 MAIN/TRACE COLORS. EXAMPLE:
 R/Y = RED WITH YELLOW TRACER

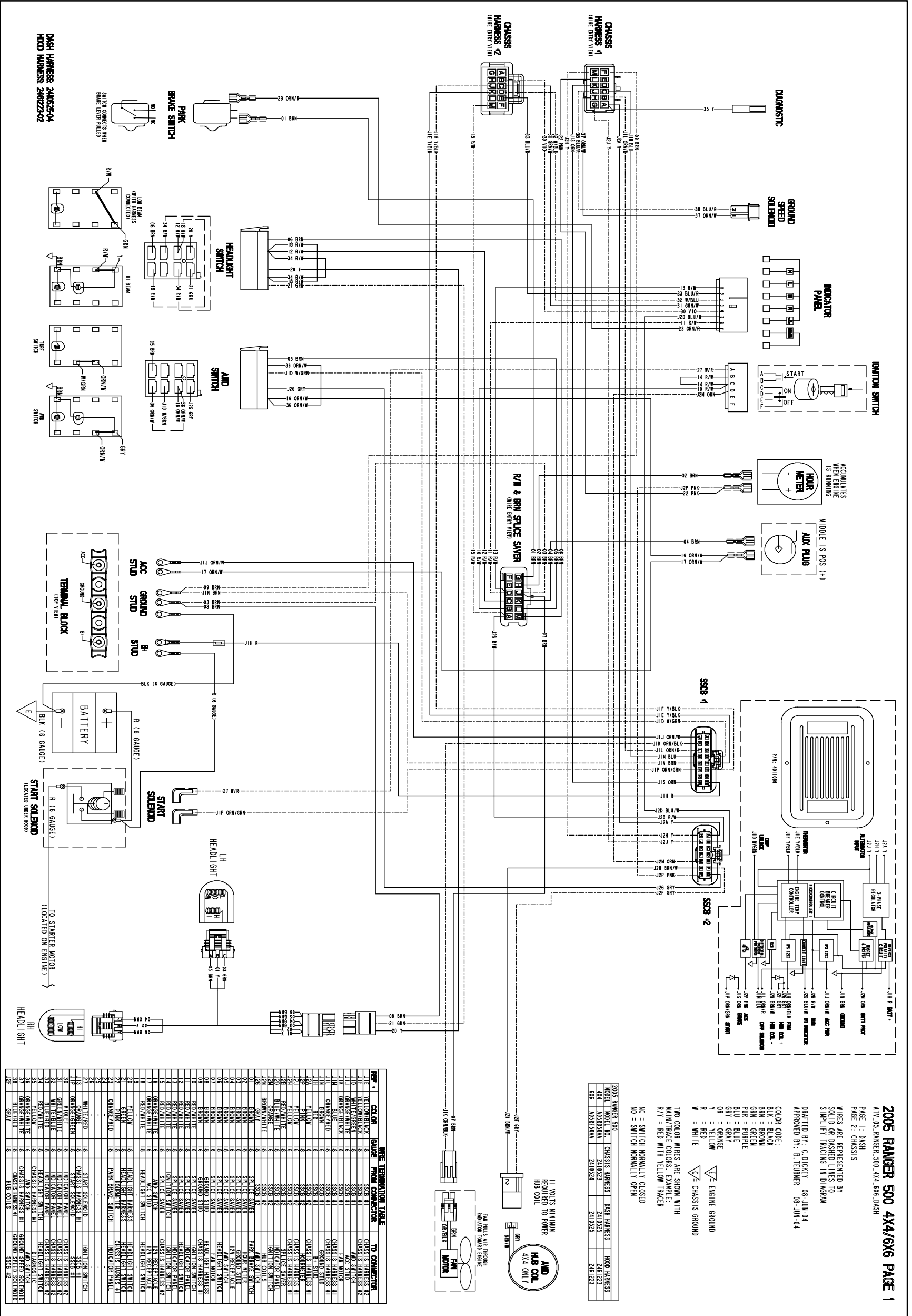
NC = SWITCH NORMALLY CLOSED
 NO = SWITCH NORMALLY OPEN

CHASSIS HARNESS: 240739-02
 BOX HARNESS: 241095-01



| REF # | COLOR | GAUGE | FROM CONNECTOR | TO CONNECTOR | CAVITY |
|-------|-------------|-------|---------------------|---------------------|--------|
| 01 | BROWN | 18 | BRK PRESSURE SWITCH | CHASSIS GROUND | .250 R |
| 02 | RED/WHITE | 18 | CHASSIS GROUND | ACCESSORY BEEPER | .250 F |
| 03 | BROWN | 18 | DASH HARNESS | CHASSIS GROUND | .250 F |
| 04 | BROWN | 14 | CHASSIS GROUND | DASH HARNESS | S |
| 05 | BROWN | 18 | ENGINE HARNESS | FUEL PUMP | .156 F |
| 06 | PINK | 18 | DASH HARNESS | FUEL PUMP | .156 M |
| 07 | BROWN | 18 | TAILLIGHT | GEAR SWITCH | C |
| 08 | RED/WHITE | 18 | ACCESSORY BEEPER | DASH HARNESS | F |
| 09 | BROWN | 18 | BRK PRESSURE SWITCH | TAILLIGHT | .180 M |
| 10 | ORANGE | 18 | BRK PRESSURE SWITCH | DASH HARNESS | B |
| 11 | GRAY | 18 | OIL PRESSURE SWITCH | DASH HARNESS | F |
| 12 | ORANGE | 18 | TAILLIGHT | BRK PRESSURE SWITCH | - |
| 13 | BROWN | 18 | CHASSIS GROUND | ENGINE HARNESS | - |
| 14 | BLACK | 18 | ENGINE HARNESS | DASH HARNESS | D |
| 15 | PURPLE | 18 | ACCESSORY BEEPER | DASH HARNESS | N |
| 16 | PURPLE | 18 | ACCESSORY BEEPER | DASH HARNESS | E |
| 17 | WHITE/RED | 18 | GEAR SWITCH | ENGINE HARNESS | K |
| 18 | GREEN/WHITE | 18 | ENGINE HARNESS | DASH HARNESS | D |
| 19 | WHITE/BLUE | 16 | GEAR SWITCH | DASH HARNESS | L |

WIRING DIAGRAM 2005 RANGER 2X4, 4X4, 6X6



ATV J35-RANGER-500-4X4-6X6-DASH
 PAGE 1: DASH
 PAGE 2: CHASSIS
 WIRES ARE REPRESENTED BY
 SOLID OR DASHED LINES TO
 SIMPLIFY TRACKING IN DIAGRAM
 DRAFTED BY: C. DOLNEY 08-JUN-04
 APPROVED BY: B. TEUBNER 08-JUN-04

COLOR CODE:
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∇ = ENGINE GROUND
 ∇ = CHASSIS GROUND

TWO COLOR WIRES ARE SHOWN WITH
 MAIN/TRACE COLORS. EXAMPLE:
 R/Y = RED WITH YELLOW TRACER
 NC = SWITCH NORMALLY CLOSED
 NO = SWITCH NORMALLY OPEN

| 2005 RANGER 500 | CHASSIS HARNESS | DASH HARNESS | HOOD HARNESS |
|-----------------|-----------------|--------------|--------------|
| MODEL #474 | AS98553A4 | 2410523 | 2410525 |
| MODEL #616 | AS98553A4 | 2410524 | 2410525 |
| | | | 2461223 |

11 VOLTS MINIMUM
 REQUIRED TO POWER
 HUB COIL
HUB COIL
 4X4 ONLY

WIRING DIAGRAM 2005 RANGER 2X4, 4X4, 6X6



2005 RANGER 500 4X4/6X6 PAGE 2

ATV_05_RANGER_500_4X4_6X6_CHASS

PAGE 1: DASH
PAGE 2: CHASSIS

WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM

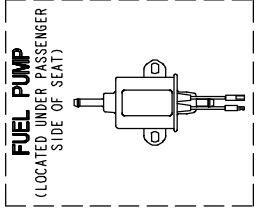
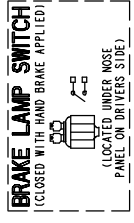
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△ = ENGINE GROUND
▽ = CHASSIS GROUND

TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE:
R/Y = RED WITH YELLOW TRACER

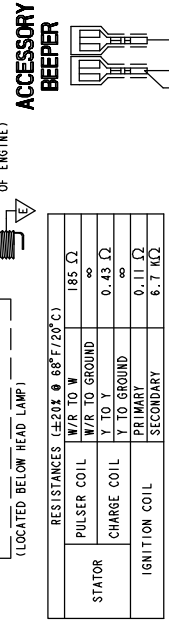
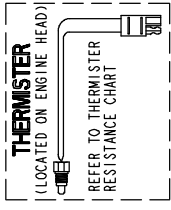
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN

| 2005 RANGER 500 | CHASSIS HARNESS | DASH HARNESS | HOOD HARNESS |
|-----------------|-----------------|--------------|--------------|
| MODEL | 4X4 A05RD50AA | 2410523 | 2461223 |
| 6X6 | A05RF50AA | 2410524 | 2461223 |

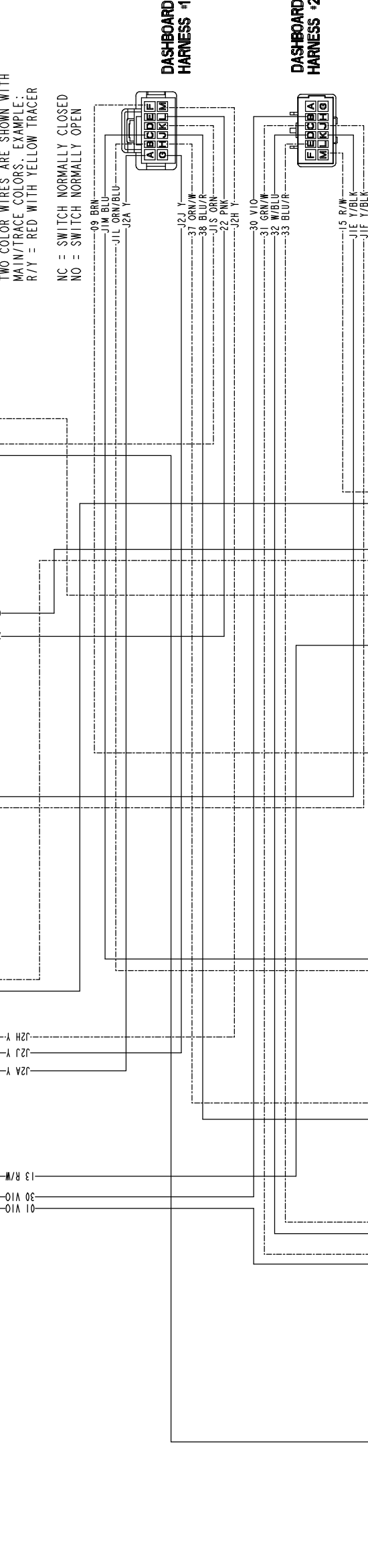


| THERMISTOR RESISTANCE | | FAN/HOT LAMP | |
|-----------------------|-----|--------------|------------------------|
| °F | °C | OHMS | OHMS |
| 77 | 25 | 2000 | 2000 |
| 180 | 82 | 307 | FAN OFF (TEMP FALLING) |
| 195 | 91 | 245 | FAN ON (TEMP RISING) |
| 215 | 102 | 185 | HOT LIGHT ON |

BOTH LAMP AND FAN SHOULD BE ON WITH THERMISTOR LEAD TO EACH OTHER



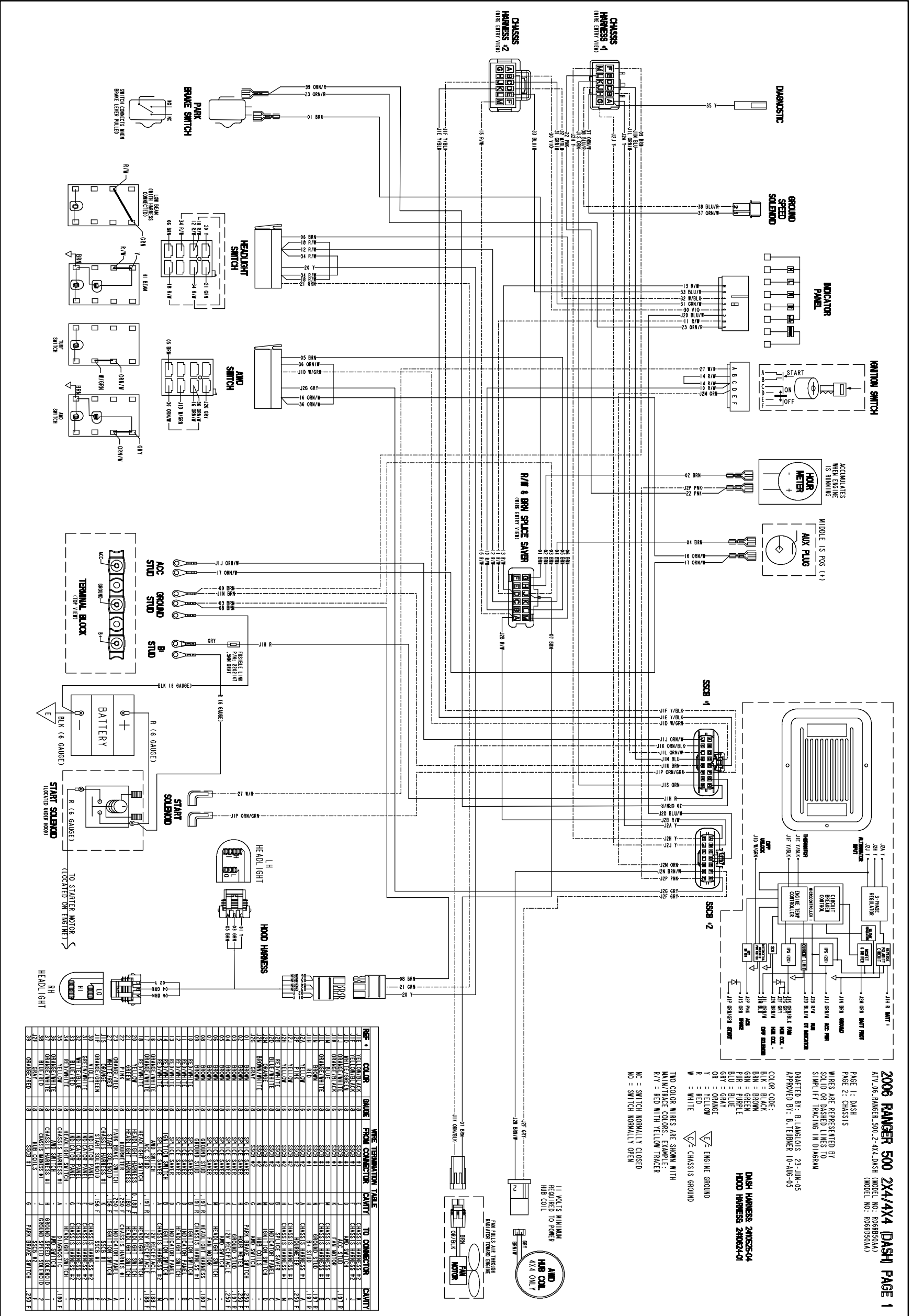
| RESISTANCES (±20% @ 68°F/20°C) | W/R TO W | 185 Ω |
|--------------------------------|---------------|--------|
| PULSER COIL | W/R TO GROUND | ∞ |
| CHARGE COIL | Y TO Y | 0.43 Ω |
| | Y TO GROUND | ∞ |
| IGNITION COIL | PRIMARY | 0.11 Ω |
| | SECONDARY | 6.7 KΩ |



| CCT # | COLOR | GAUGE | FROM CONNECTOR | TO CONNECTOR |
|-------|--------------|-------|-----------------|------------------|
| J1E | YELLOW/BLACK | 18 | DASH HARNESS #2 | THERMISTOR |
| J1F | YELLOW/BLACK | 18 | DASH HARNESS #2 | THERMISTOR |
| J1M | BLUE | 18 | DASH HARNESS #1 | DIFF SOLENOID |
| J1L | ORANGE/RED | 18 | DASH HARNESS #1 | DIFF SOLENOID |
| J2A | YELLOW | 16 | DASH HARNESS #1 | STATOR HARNESS |
| J2J | YELLOW | 16 | DASH HARNESS #1 | STATOR HARNESS |
| J2H | YELLOW | 16 | DASH HARNESS #1 | STATOR HARNESS |
| 01 | TOILET | 18 | GEAR SWITCH | ACCESSORY BEEPER |
| 02 | ORANGE | 18 | GEAR SWITCH | LH TAILLIGHT |
| 03 | ORANGE | 18 | GEAR SWITCH | LH TAILLIGHT |
| 04 | BROWN | 18 | GEAR SWITCH | LH TAILLIGHT |
| 05 | BROWN | 18 | GEAR SWITCH | LH TAILLIGHT |
| 06 | BROWN | 18 | GEAR SWITCH | LH TAILLIGHT |
| 07 | BROWN | 18 | GEAR SWITCH | LH TAILLIGHT |
| 08 | BROWN | 18 | GEAR SWITCH | LH TAILLIGHT |
| 09 | BROWN | 18 | GEAR SWITCH | LH TAILLIGHT |
| 10 | BROWN | 18 | GEAR SWITCH | LH TAILLIGHT |
| 11 | RED/WHITE | 18 | GEAR SWITCH | LH TAILLIGHT |
| 12 | RED/WHITE | 18 | GEAR SWITCH | LH TAILLIGHT |
| 13 | RED/WHITE | 18 | GEAR SWITCH | LH TAILLIGHT |
| 14 | BROWN | 18 | GEAR SWITCH | LH TAILLIGHT |
| 15 | RED/WHITE | 18 | GEAR SWITCH | LH TAILLIGHT |
| 22 | PINK | 18 | GEAR SWITCH | LH TAILLIGHT |
| 30 | ORANGE | 18 | GEAR SWITCH | LH TAILLIGHT |
| 31 | GREEN/WHITE | 18 | GEAR SWITCH | LH TAILLIGHT |
| 32 | WHITE/BLUE | 18 | GEAR SWITCH | LH TAILLIGHT |
| 37 | ORANGE/WHITE | 18 | GEAR SWITCH | LH TAILLIGHT |
| 38 | BLUE/RED | 18 | GEAR SWITCH | LH TAILLIGHT |
| 39 | RED/WHITE | 18 | GEAR SWITCH | LH TAILLIGHT |

HARNESS: 2410523-03 (4X4)
2410524-03 (6X6)

WIRING DIAGRAM 2006 RANGER 2X4, 4X4



2006 RANGER 500 2X4/4X4 DASH PAGE 1
 ATV-06-RANGER-500-2-4X4-DASH (MODEL NO: R06R050AA) (MODEL NO: R06R050AA)

DATE: 23-JUN-05
 APPROVED BY: B. TEBNER 10-406-05
 DASH WIRING DIAGRAM
 Wires are represented by solid or dashed lines to simplify tracing in diagram.
 COLOR CODE:
 BLK = BLACK
 BRN = BROWN
 GRN = GREEN
 BLU = BLUE
 YEL = YELLOW
 ORG = ORANGE
 GRY = GRAY
 W = WHITE
 R = RED
 Y = YELLOW
 ORG = ORANGE
 GRY = GRAY
 W = WHITE
 R = RED
 Y = YELLOW
 ORG = ORANGE
 GRY = GRAY
 W = WHITE

11 VOLTS MINIMUM REQUIRED TO POWER HUB COIL 474 ONLY
 11 VOLTS MINIMUM REQUIRED TO POWER HUB COIL 474 ONLY
 11 VOLTS MINIMUM REQUIRED TO POWER HUB COIL 474 ONLY

| REF # | COLOR | GAUGE | FROM CONNECTOR | TO CONNECTOR | CAVITY |
|-------|--------------|-------|--------------------|--------------------|--------|
| 1 | YELLOW/BLACK | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 1 |
| 2 | BLACK | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 2 |
| 3 | RED | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 3 |
| 4 | GREEN | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 4 |
| 5 | BLUE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 5 |
| 6 | ORANGE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 6 |
| 7 | GRAY | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 7 |
| 8 | WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 8 |
| 9 | RED/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 9 |
| 10 | GREEN/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 10 |
| 11 | BLUE/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 11 |
| 12 | ORANGE/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 12 |
| 13 | GRAY/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 13 |
| 14 | WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 14 |
| 15 | RED | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 15 |
| 16 | GREEN | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 16 |
| 17 | BLUE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 17 |
| 18 | ORANGE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 18 |
| 19 | GRAY | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 19 |
| 20 | WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 20 |
| 21 | RED/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 21 |
| 22 | GREEN/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 22 |
| 23 | BLUE/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 23 |
| 24 | ORANGE/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 24 |
| 25 | GRAY/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 25 |
| 26 | WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 26 |
| 27 | RED | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 27 |
| 28 | GREEN | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 28 |
| 29 | BLUE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 29 |
| 30 | ORANGE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 30 |
| 31 | GRAY | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 31 |
| 32 | WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 32 |
| 33 | RED/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 33 |
| 34 | GREEN/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 34 |
| 35 | BLUE/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 35 |
| 36 | ORANGE/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 36 |
| 37 | GRAY/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 37 |
| 38 | WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 38 |
| 39 | RED | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 39 |
| 40 | GREEN | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 40 |
| 41 | BLUE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 41 |
| 42 | ORANGE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 42 |
| 43 | GRAY | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 43 |
| 44 | WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 44 |
| 45 | RED/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 45 |
| 46 | GREEN/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 46 |
| 47 | BLUE/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 47 |
| 48 | ORANGE/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 48 |
| 49 | GRAY/WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 49 |
| 50 | WHITE | 18 | CHASSIS HARNESS #1 | CHASSIS HARNESS #2 | 50 |



WIRING DIAGRAM 2006 RANGER 2X4, 4X4



2006 RANGER 500 2X4/4X4 (CHASSIS) PAGE 2
 ATV_06_RANGER_500_2X4_4X4_CHASSIS (MODEL NO: R06RB50AA)
 (MODEL NO: R06RD50AA)

PAGE 1: DASH
 PAGE 2: CHASSIS

WIRES ARE REPRESENTED BY
 SOLID OR DASHED LINES TO
 SIMPLIFY TRACING IN DIAGRAM

DRAFTED BY: B. LANGLOIS 13-JUN-05
 APPROVED BY: B. TEUBNER 10-AUG-05

COLOR CODE:
 BLK = BLACK
 BRN = BROWN
 GRN = GREEN
 PUR = PURPLE
 BLU = BLUE
 GRY = GRAY
 OR = ORANGE
 Y = YELLOW
 R = RED
 W = WHITE

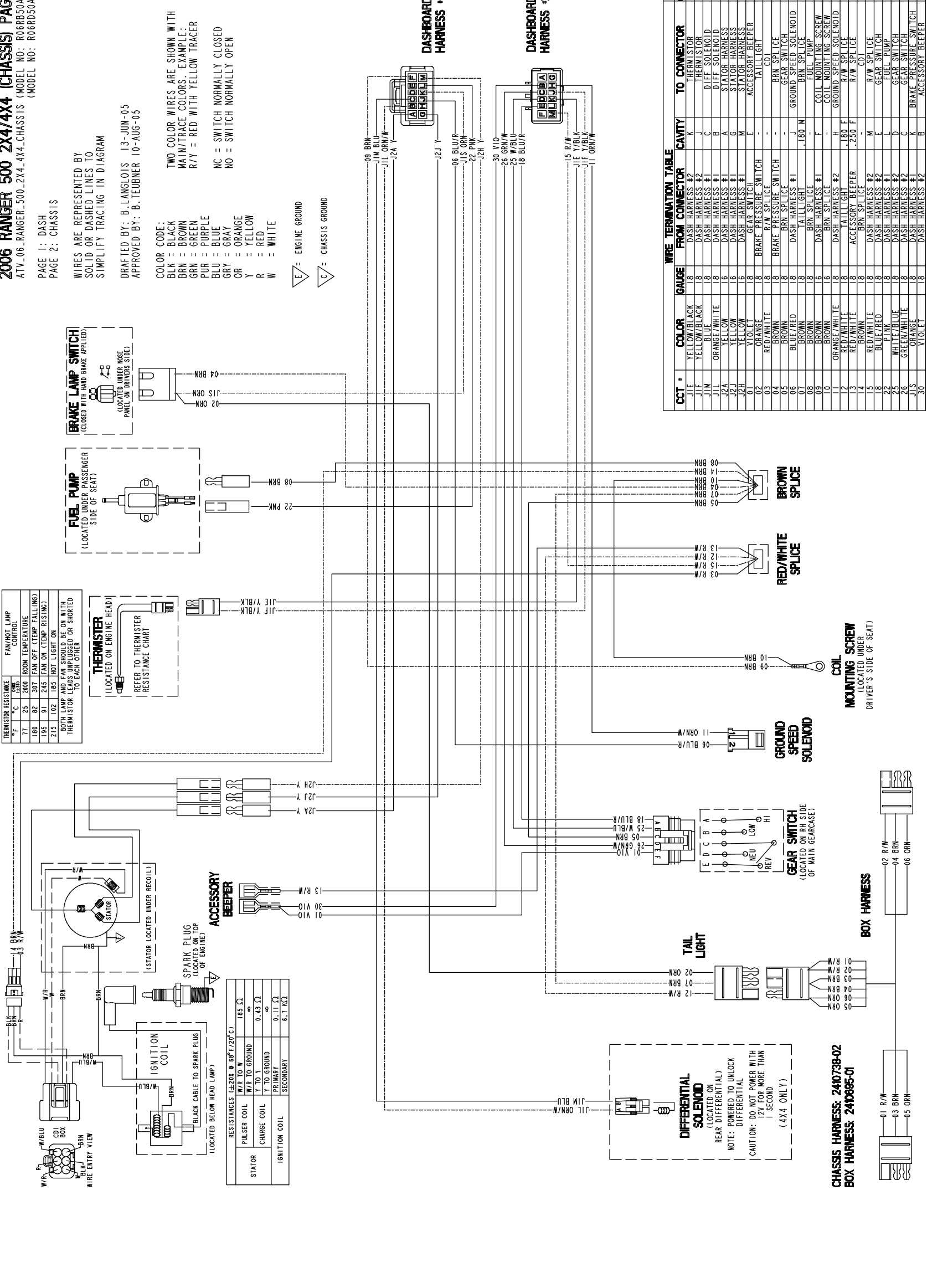
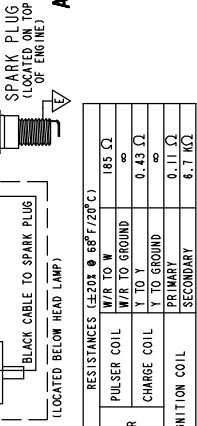
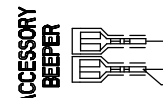
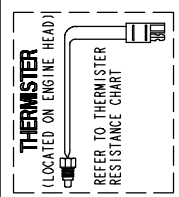
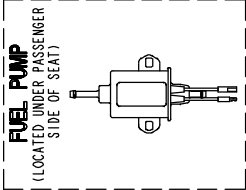
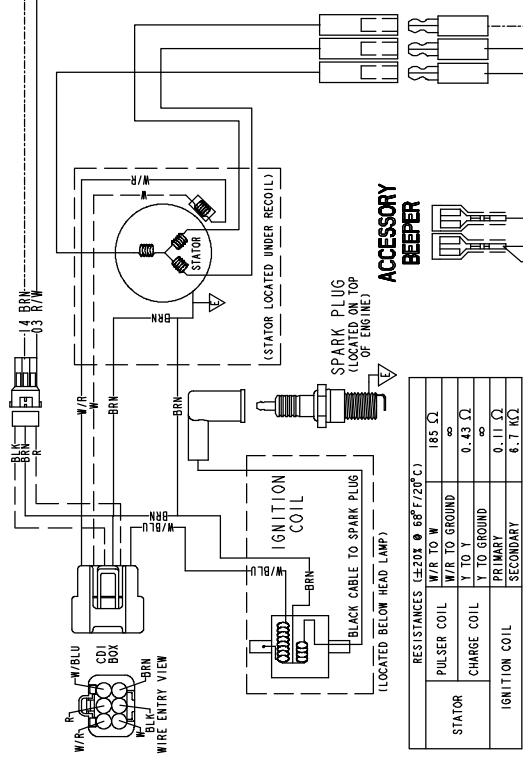
TWO COLOR WIRES ARE SHOWN WITH
 MAIN/TRACE COLORS. EXAMPLE:
 R/Y = RED WITH YELLOW TRACER

NC = SWITCH NORMALLY CLOSED
 NO = SWITCH NORMALLY OPEN

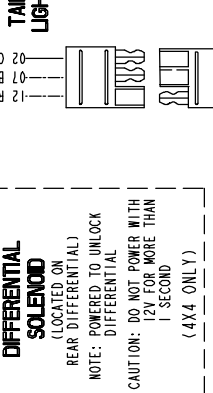
= ENGINE GROUND
 = CHASSIS GROUND

| THERMISTOR RESISTANCE | | FAN/HOT LAMP CONTROL | |
|-----------------------|-----|----------------------|------------------------|
| °C | Ω | °C | Ω |
| 77 | 25 | 2000 | ROOM TEMPERATURE |
| 180 | 82 | 307 | FAN OFF (TEMP FALLING) |
| 195 | 91 | 245 | FAN ON (TEMP RISING) |
| 215 | 102 | 185 | HOT LIGHT ON |

BOTH LAMP AND FAN SHOULD BE ON WITH THERMISTOR LEADS UNPLUGGED OR SHORTED TO EACH OTHER



| CCT # | COLOR | GAUGE | WIRE TERMINATION TABLE | FROM CONNECTOR | CAVITY | TO CONNECTOR | CAVITY |
|-------|--------------|-------|------------------------|-----------------------|--------|--------------|--------|
| J1E | YELLOW/BLACK | 18 | DASH HARNESS #2 | TERMINATOR | K | | |
| J1F | YELLOW/BLACK | 18 | DASH HARNESS #2 | DIFF. SOLENOID | J | | |
| J1M | BLUE | 18 | DASH HARNESS #1 | DIFF. SOLENOID | B | | |
| J1L | ORANGE/WHITE | 18 | DASH HARNESS #1 | DIFF. SOLENOID | A | | |
| J1A | YELLOW | 18 | DASH HARNESS #1 | STATOR HARNESS | A | | |
| J1H | YELLOW | 18 | DASH HARNESS #1 | STATOR HARNESS | M | | |
| J1J | YELLOW | 18 | DASH HARNESS #1 | STATOR HARNESS | M | | |
| 01 | VIOLET | 18 | GEAR SWITCH | ACCESSORY BEEPER | E | | |
| 02 | ORANGE | 18 | GEAR SWITCH | TAIL LIGHT | E | | |
| 03 | RED/WHITE | 18 | R/W SPLICE | CDI | - | | |
| 04 | BROWN | 18 | BRN SPLICE | BRN SPLICE | - | | |
| 05 | BLUE/RED | 18 | BRN SPLICE | GEAR SWITCH | C | | |
| 06 | BROWN | 18 | DASH HARNESS #1 | GROUND SPEED SOLENOID | 2 | | |
| 07 | BROWN | 18 | TAIL LIGHT | BRN SPLICE | - | | |
| 08 | BROWN | 18 | BRN SPLICE | FUEL PUMP | - | | |
| 09 | BROWN | 16 | DASH HARNESS #1 | COIL MOUNTING SCREW | - | | |
| 10 | BROWN | 16 | BRN SPLICE | COIL MOUNTING SCREW | - | | |
| 12 | ORANGE/WHITE | 18 | DASH HARNESS #2 | GROUND SPEED SOLENOID | H | | |
| 13 | RED/WHITE | 18 | TAIL LIGHTS | GROUND SPEED SOLENOID | I | | |
| 15 | RED/WHITE | 18 | ACCESSORY BEEPER | R/W SPLICE | - | | |
| 14 | BROWN | 18 | BRN SPLICE | CDI | - | | |
| 15 | RED/WHITE | 18 | R/W SPLICE | R/W SPLICE | - | | |
| 18 | BLUE/RED | 18 | DASH HARNESS #2 | GEAR SWITCH | A | | |
| 22 | PINK | 18 | DASH HARNESS #1 | FUEL PUMP | L | | |
| 25 | WHITE/BLUE | 18 | DASH HARNESS #2 | GEAR SWITCH | B | | |
| 26 | GREEN/WHITE | 18 | DASH HARNESS #2 | GEAR SWITCH | D | | |
| J1S | ORANGE | 18 | DASH HARNESS #1 | BRAKE PRESSURE SWITCH | K | | |
| 30 | VIOLET | 18 | DASH HARNESS #2 | ACCESSORY BEEPER | B | | |



CHASSIS HARNESS: 2410738-02
 BOX HARNESS: 2410695-01

