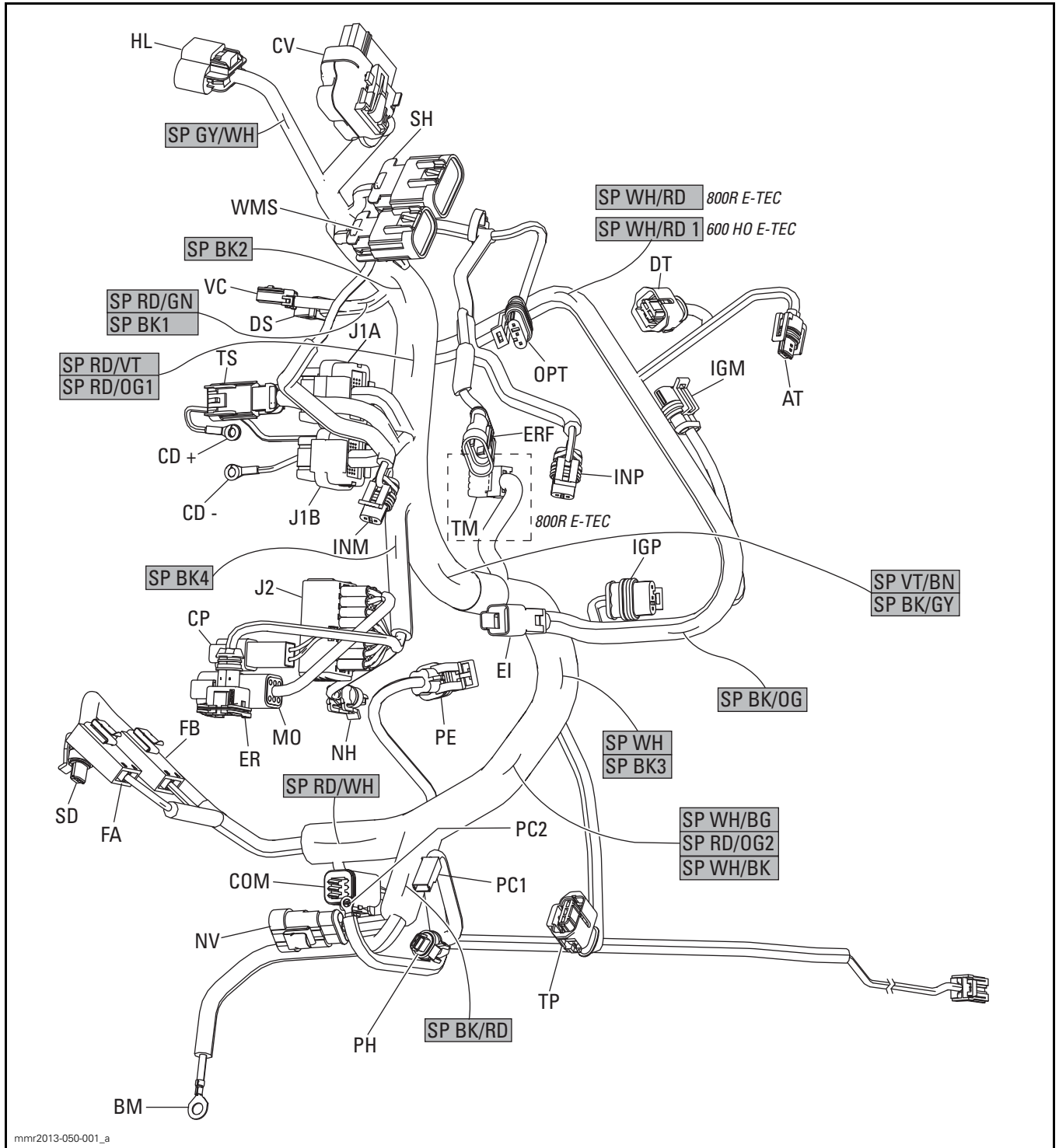
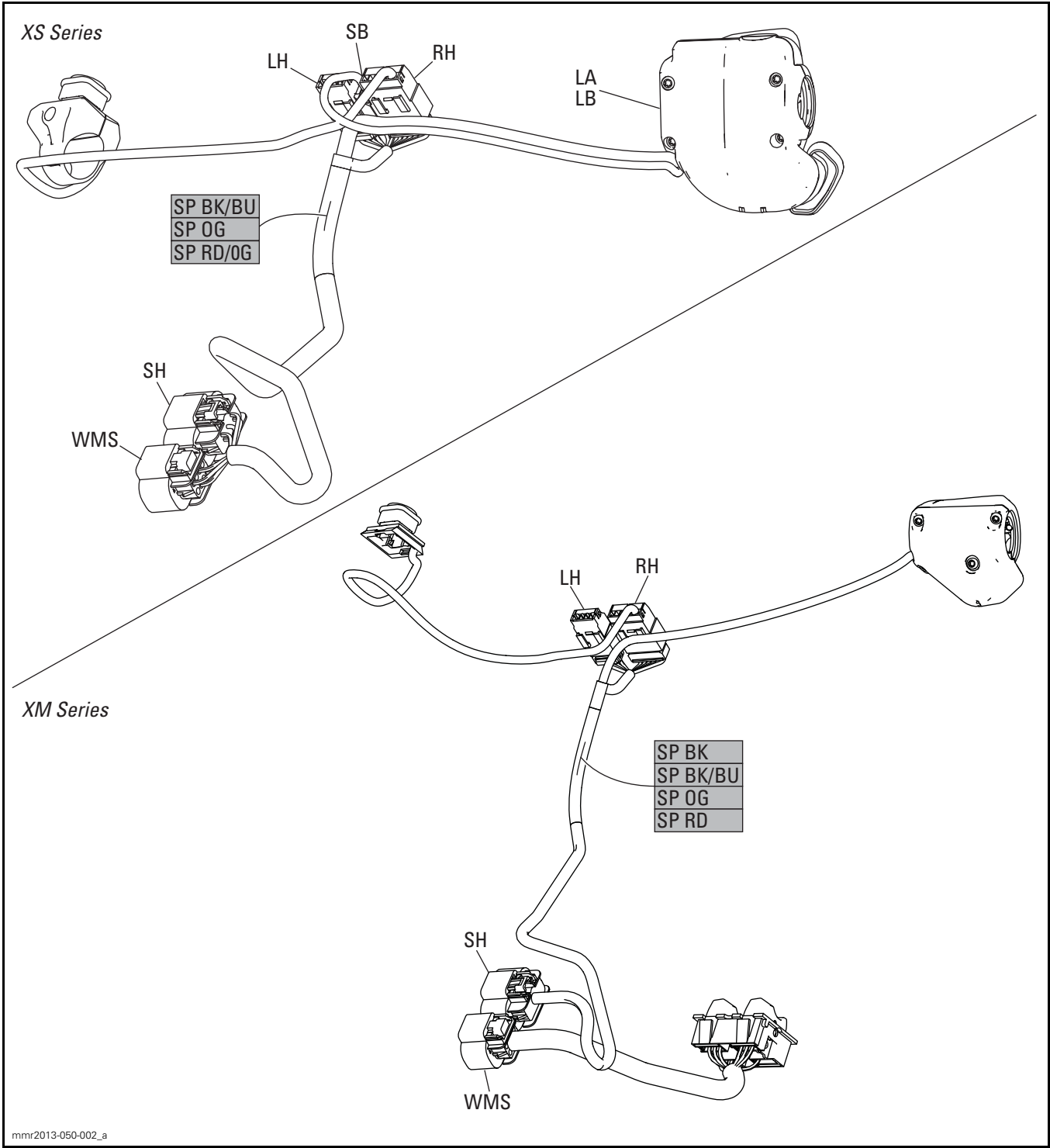


# SPLICE INFORMATION

## MAIN HARNESS



STEERING HARNESS



mmr2013-050-002\_a

## PROCEDURES

This section gives the procedures and the location diagrams in order to quickly repair electrical harness splices and should be used in conjunction with the *WIRING DIAGRAM INFORMATION* subsection.

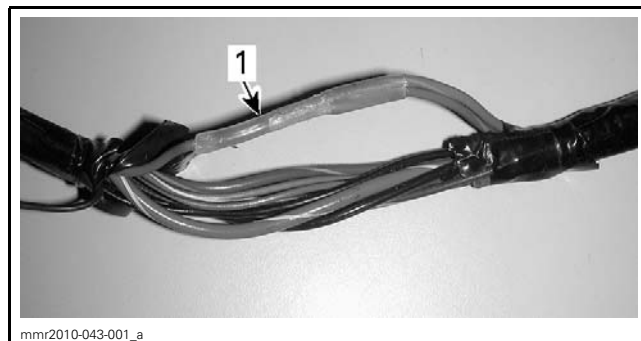
1. Make sure to perform the usual tests described in *ELECTRICAL SYSTEM* sections before investigating the harness splices.
2. If an electrical issue can not be found with the usual tests, locate the main harness splice that is involved in the faulty circuit and repair it as per the *SPLICES REPAIR PROCEDURE*.
3. To repair a splice, we recommend the use of a tin solder meeting the followings requirements or an equivalent.

TIN SOLDER REQUIREMENTS
SN 60
PB 40
DIA 0.062
FLUX RA 2%

## SPLICES REPAIR PROCEDURE

### CASE 1: Wire Detached from Splice

1. Locate splice. Refer to splices location diagrams.
2. Remove wires from protector tube.
3. Locate the shrink tube protecting the defective splice.



1. Shrink tube

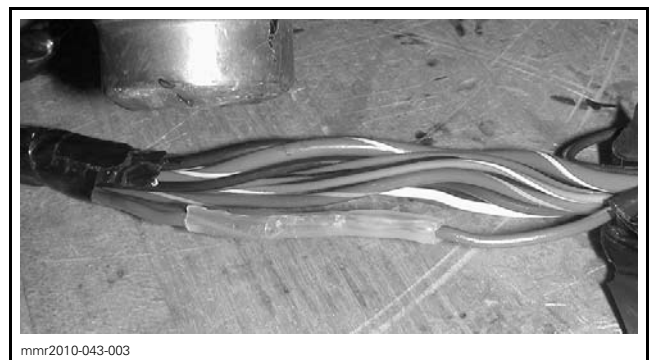
4. Remove the shrink tube.

4.1 Using a blade, cut the shrink tube.



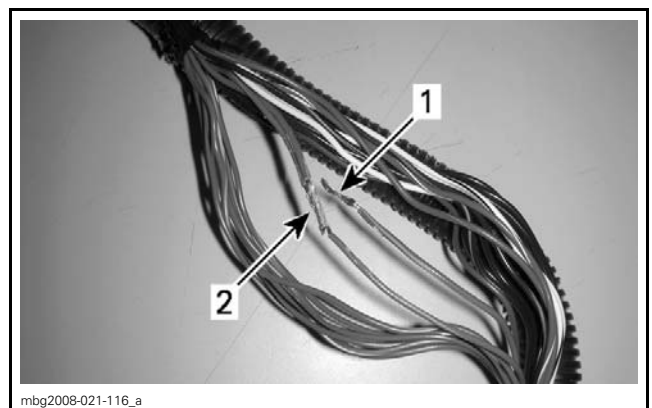
**NOTICE** Be careful with the blade to avoid cutting wires insulation.

- 4.2 Slightly heat the shrink tube using a heat gun.



- 4.3 Remove the shrink tube with long nose pliers.

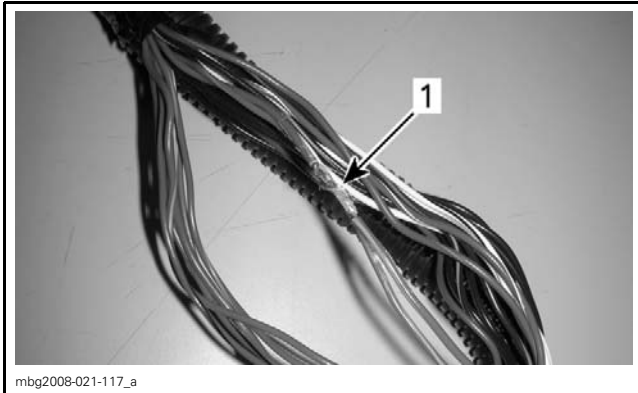
5. Locate detached wire from splice.



1. Detached wire
2. Splice

6. Twist detached wire around splice.

## Subsection XX (SPLICE INFORMATION)



1. Twisted wire

7. Perform a tin solder on twisted wire.

8. Apply electrical tape to cover splice.

**NOTE:** Make sure tape overlaps on wire insulation, approximately 13 mm (1/2 in) each side.

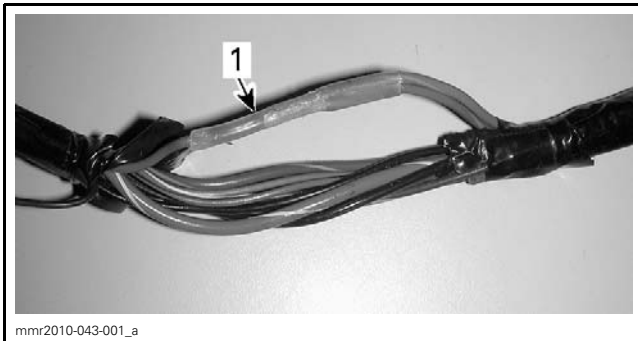
9. Reinstall wires into protector tube.

### CASE 2: Wire Broken from Splice

1. Locate splice. Refer to splices location diagrams.

2. Remove wires from protector tube.

3. Locate the shrink tube protecting the defective splice.



1. Shrink tube

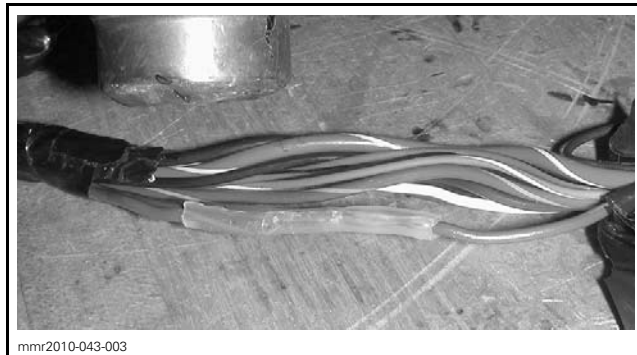
4. Remove the shrink tube.

4.1 Using a blade, cut the shrink tube.



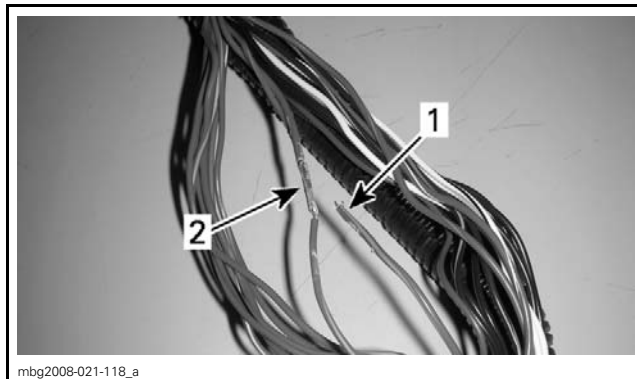
**NOTICE** Be careful with the blade to avoid cutting wires insulation.

4.2 Slightly heat the shrink tube using a heat gun.



4.3 Remove the shrink tube with long nose pliers.

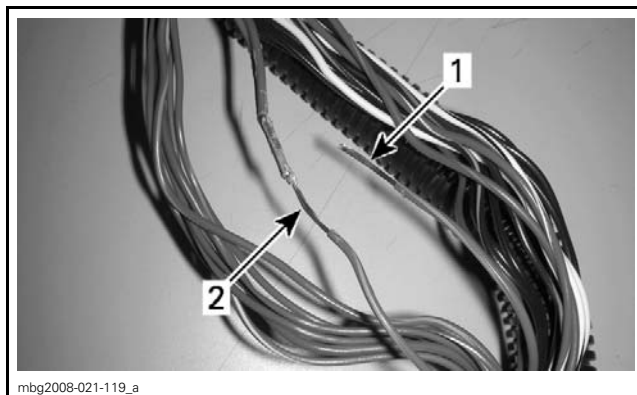
5. Locate broken wire from splice.



1. Broken wire  
2. Splice

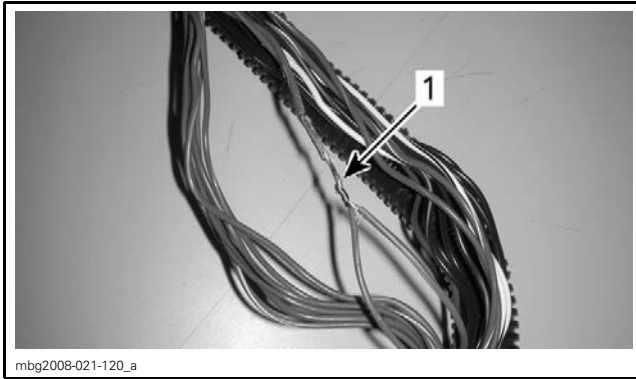
6. Strip wire insulation at the end of broken wire.

7. Strip wire insulation below the splice.



1. Broken wire stripped  
2. Splice wire stripped

8. Twist wire around stripped wire.



1. *Twisted wire*

9. Perform a tin solder on twisted wire.

10. Apply electrical tape to cover splice.

**NOTE:** Make sure tape overlaps on wire insulation, approximately 13 mm (1/2 in) each side.

11. Reinstall wires into protector tube.

**NOTE:** Always perform a solder on a bigger wire (lower gage).