

PART NO. 23060 & 23061

LS1 High-Flow Mass Air Flow Sensor

Packing Lists

**#23060 - 1998-2000 LS1 Camaro/Firebird & 1997-2000 LS1 Corvette C5 Models
For 2001 and 2002 Camaro/Firebird USE MAF PN 23062**

Item#	Check	Quantity	Part Number	Description
1.	_____	1	25318411	High-Flow Mass Air Flow Sensor
2.	_____	1	23060A	Harness, MAF Wire Adapter
3.	_____	1	100064720	3-3/4" x 2" Straight Sleeve
4.	_____	1	308707426	Clamp, Worm Gear
5.	_____	1	*****	Instructions

#23061- Bellow Kit (1997-2000 LS1 Corvette C5 Models ONLY)

Item#	Check	Quantity	Part Number	Description
1.	_____	1	100064730	3-3/4" x 1-3/8" Straight Sleeve with Notch
2.	_____	1	308707426	Clamp, Worm Gear

Warning: SLP recommends wearing safety glasses for the complete installation.

Installation Instructions (1998-2000 LS1 Camaro/Firebird)

Note: Installation Instructions for the 1997-2000 LS1 Corvette C5 models will follow the 1998-2000 LS1 Camaro/Firebird installation instructions.

- 1 Disconnect the negative battery terminal. Disconnect the mass airflow sensor (MAF) and inlet air temperature sensor (IAT) connectors.
- 2 Release the two metal retaining strap latches from the air box lid and loosen the worm screw clamp on the air intake bellow at the throttle body. Remove the air box lid, mass airflow sensor, and air intake bellow as a one-piece unit. Place on a suitable work surface to remove the mass airflow sensor from the air box lid and the air intake bellow.
- 3 Loosen the worm screw clamp connecting the air box lid to the mass airflow sensor. Separate the air box lid from the mass airflow sensor. Loosen the worm screw clamp connecting the air intake bellow to the mass airflow sensor (MAF). Remove the mass air flow sensor from the air intake bellow.
- 4 Install SLP's high-flow mass airflow sensor to the air intake bellow (the tight fit can be eased by applying a light amount of oil). Be sure that the air flow direction arrows, located on the mass airflow sensor, point towards the engine. Tighten the worm screw clamp connecting the air intake bellow to the mass air flow sensor (MAF).
- 5 Install the straight sleeve bellow, included in kit, to the front of the mass airflow sensor. Tighten the worm screw clamp connecting the straight sleeve bellow to the mass air flow sensor (MAF).
- 6 Place the new worm screw clamp, included in kit, over the straight sleeve bellow but do NOT tighten yet. Install the air box lid into the straight sleeve bellow. Tighten the new worm screw clamp over the air box lid.
- 7 Place the air box lid, mass airflow sensor, and air intake bellow as a one-piece unit into the vehicle. Tighten the worm screw clamp on the air intake bellow at the throttle body and attach the two metal retaining strap latches to the air box lid.

- 8 Connect the mass airflow sensor (MAF) connector using the MAF wire adapter harness. The connectors **MUST BE ALIGNED** such that they operate properly.

Note: Be sure to connect MAF wire adapter harness **CORRECTLY**. The lock/release mechanism on the female connector **MUST** snap over the locking tab on the male connector, see Figure 1. If the connectors are not snapped together properly the vehicles electrical system and the high-flow mass air flow sensor will be damaged **VOIDING ANY WARRANTY**.

- 9 Connect the inlet air temperature sensor (IAT) connector. Connect the negative battery terminal.

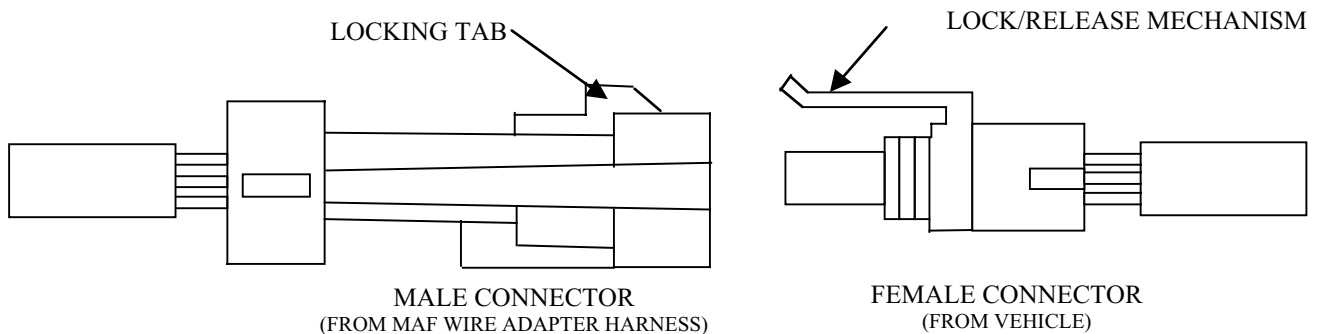


Figure 1: MAF wire adapter harness connection (side view).

Installation Instructions (1997-2000 LS1 Corvette C5)

- 10 Disconnect the negative battery terminal. Disconnect the mass airflow sensor (MAF) and inlet air temperature sensor (IAT) connectors.
- 11 Loosen the worm gear clamp at the throttle body. Remove the fuel pressure regulator vacuum line (if equipped) from the air intake bellow. Separate the air intake bellow from the throttle body. Disconnect the AIR hose from the air cleaner assembly (if equipped).
- 12 Release the air intake bellow from the upper radiator support grommet studs by carefully prying upward on the rubber air intake bellow grommets. Release the air cleaner assembly, with the rubber grommets, from the air cleaner assembly mounting studs.
- 13 Remove the air cleaner assembly, mass airflow sensor, and air intake bellow from the vehicle as a one-piece unit. Place the entire unit on a suitable work surface.

- 14 Loosen the worm gear clamp at the air cleaner assembly to mass airflow sensor seal. Remove the air cleaner assembly from the mass airflow sensor. Remove the seal and worm gear clamp from the air cleaner assembly.
- 15 Loosen the worm gear clamp at the air intake bellow to mass airflow sensor seal. Remove air intake bellow from the mass airflow sensor. Remove the seal and worm gear clamp from air intake bellow.
- 16 Install the 3-3/4" x 1-3/8" straight sleeve with notch, included in bellow kit, over the air intake bellow with the notch positioned towards the mass airflow sensor. Position two worm gear clamps, one from air intake bellow to mass airflow sensor seal and the other from the bellow kit, over the 3-3/4" x 1-3/8" straight sleeve with notch. Do NOT tighten down the worm gear clamps yet. Install the mass airflow sensor to the air intake bellow. Correctly align the notch in the straight sleeve to the protrusion on the mass airflow sensor. Tighten the worm gear clamps.

Note: The mass airflow sensor must be fully seated, about " into the plastic end of the air intake bellow or the unit will not correctly fit the vehicle. Be sure to check airflow indicator arrows on the mass airflow sensor for correct install direction (screen should face air cleaner assembly).

- 17 Install the 3-3/4" x 2" straight sleeve over the air cleaner assembly. Position two worm gear clamps, one from air cleaner assembly to mass airflow sensor seal and the other from the high flow mass airflow sensor kit, over the 3-3/4" x 2" straight sleeve. Do NOT tighten down the worm gear clamps yet. Install the air cleaner assembly to the mass airflow sensor. Be sure to correctly align the air cleaner assembly to the mass airflow sensor to ensure correct fit on the vehicle. Tighten the worm gear clamps.
- 18 Place the air cleaner assembly, high-flow mass airflow sensor, and air intake bellow into the vehicle as a one-piece unit.
- 19 Install the air cleaner assembly, with the rubber grommets, over the air cleaner assembly mounting studs. Install the air intake bellow to the upper radiator support grommet studs by carefully pushing downward on the rubber air intake bellow grommets.
- 20 Connect the AIR hose from the air cleaner assembly (if equipped). Connect the air intake bellow to the throttle body. Tighten the worm gear clamp at the throttle body. Install the fuel pressure regulator vacuum line (if equipped) to the air intake bellow.

- 21 Connect the mass airflow sensor (MAF) connector using the MAF wire adapter harness. The connectors **MUST BE ALIGNED** such that they operate properly.

Note: Be sure to connect MAF wire adapter harness CORRECTLY. The lock/release mechanism on the female connector MUST snap over the locking tab on the male connector, see Figure 1. If the connectors are not snapped together properly the vehicles electrical system and the high-flow mass airflow sensor will be damaged VOIDING ANY WARRANTY.

- 22 Connect the inlet air temperature sensor (IAT) connector. Connect the negative battery terminal.