



Engine Controls - Throttle Position Sensors

Situation: Repetitive movement of sensor contact fingers over the circuit board causes hesitation; thermal cycling and vibration crack circuit boards and break solder joints.

Solution: CARQUEST Advantage

Two problem-solving designs extend product life and eliminate vehicle hesitation. The company's contact-type sensors feature an advanced flexible circuit board, spring pressure clips and precision-matched conductive ink and contacts. Non-contact sensors with Hall-effect integrated circuitry eliminate wear issues associated with OE designs.

Repair tips:

- Test throttle position sensors with voltage moving through the circuit to reveal the parts' true operating characteristics. Testing with an ohmmeter will lead to false "noise" on the signal line.
- Non-contact sensors cannot be tested with an ohmmeter.
- Faulty connector termination can be difficult to diagnose. Replace harness pigtail whenever an intermittent fault is detected or if it shows signs of damaged wires or seals.

Features:

- No solder connections
- Uninterrupted circuit board "contact"
- OE style brackets, hold-downs, hardware and spacers
- Precision-matched conductive circuit board ink and contacts
- Wear-resistant circuit inks
- Flexible circuit board
- Spring pressure clips

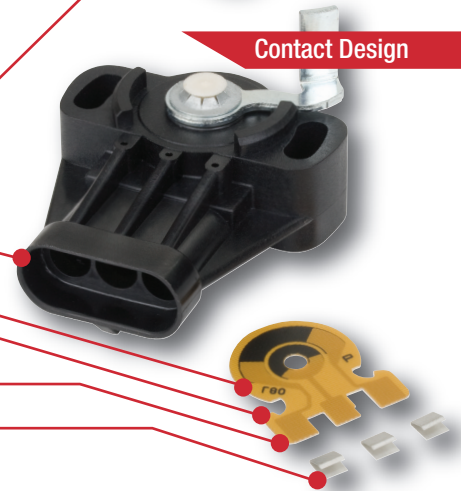
Benefits:

- Superior resistance to heat and vibration
- Longer component life
- Meets or exceeds OE performance
- Precisely engineered for easy installation
- Increased customer satisfaction
- Comprehensive factory warranty

Non-Contact Design



Contact Design



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Engine Controls - Throttle Position Sensors

Top Movers



71-7544

Buick 2005-1994
Cadillac 2005-1996

71-7614

Ford 2003-1994
Ford Trucks & Vans
2007-2005, 2003-1995

71-7531

Buick 1996-1995,
1993 -1991, 1989-1987
Cadillac 1993-1991

71-7597

Dodge Trucks & Vans 2006-1994
Jeep 2005-2001, 1999-1997

71-7608

Ford 2006-1996
Ford Trucks & Vans 2007-1996

71-7658

Ford Trucks & Vans
1997-1985

71-7711

Dodge Trucks & Vans
2006-2002
Jeep 2006-2002

71-7581

Chrysler 1993-1991
Dodge 1997, 1995-1991

71-7500

Acura 1999-1996
Buick 1996-1989

71-7602

Dodge Trucks & Vans
2001-1997
Jeep 2002-1997

71-7547

Buick 2005-1995
Chevrolet 2005-1995

71-7559

Chevrolet 2002-1999
Chev/GMC Trucks & Vans
2003-1998

71-7545

Buick 1996-1993
Chev/GMC Trucks & Vans
1995-1993

71-7564

Chevrolet 1990-1986
Chev/GMC Trucks & Vans
1991-1987

71-7933

Ford 2005-2003
Ford Trucks & Vans 2005-2003

Top Gainers



71-7598

Dodge 2003
Dodge Trucks & Vans
2003-1998

71-7688

Hyundai 2006-1999
Kia 2003-2002

71-7589

Chrysler 2006-1998
Dodge 2006-1998

71-7627

Ford 2007-2000
Ford Trucks & Vans 2003-2001

71-7789

Infiniti 2004-1999
Nissan 2005-1998

71-7611

Ford 1993-1986
Lincoln 1992-1986

71-7584

Chrysler 2006-2001
Dodge 2006-2001

71-7583

Chrysler 2005-1998
Dodge 2000-1998

71-7869

Dodge Trucks & Vans 2007-1998

71-7830

Saturn 1999-1998

71-7616

Ford 1994-1991
Ford Trucks & Vans
1997-1993

71-7592

Chrysler 2004-1998
Dodge 2004-1998

71-7660

Ford Trucks & Vans
1998-1996

71-7562

Chevrolet 2002-1998
Pontiac 2006-2003

71-7586

Chrysler 2000-1997
Dodge 2005-2003, 2000-1998

Import Sampling



71-7854

Toyota 2005-1996
Pontiac 2006-2003

71-7688

Hyundai 2006-1999
Kia 2003-2002

71-7653

Mazda 1994-1991
Ford Trucks & Vans 1995-1990

71-7789

Infiniti 2004-1999
Nissan 2005-1998

71-7654

Mazda 2001-1995
Ford Trucks & Vans 2001-1995

71-7696

Infiniti 2000-1997
Nissan 2004-1996

71-7668

Infiniti 1999, 1997-1996
Ford Trucks & Vans
2002-1996

71-7673

Lexus 1997-1992
Geo 1997-1990

71-7725

Lexus 2003-1997
Toyota 2003-1997

71-7572

Subaru 1999-1995
Chev/GMC Trucks & Vans
2003-2001

71-7693

Infiniti 1999-1997
Nissan 1999-1997

71-7853

Toyota 1991-1986