



# NISSAN 2016 TITAN XD Service Department Readiness

Reference: NPSB/15-409

Date: October 26, 2015

Attention: Dealer Principals, General Managers, Executive Managers, Service Managers, Parts Managers

## ANNOUNCEMENT

With the release of the bold and powerful new 2016 TITAN XD fast approaching, Nissan Aftersales would like to announce steps that will help ensure your dealership is ready for the launch of this exciting new vehicle. With this announcement, you will find a checklist to assist with each area of service department readiness.

## ESSENTIAL TOOL PACKAGE

Prior to Start-of-Sale (SOS), you will be shipped an essential tool package that will include tools necessary for diagnosis and repair of the new 5.0L Cummins® V8 Turbo Diesel engine found exclusively in the 2016 TITAN XD. The kit includes:

- Harness connector repair kit
- Fuel system clean care kit
- Air handling system clean care kit
- Essential tools for engine diagnosis and repair

The essential tool package is estimated to be \$5,000 (plus applicable shipping) and will ship in late November.





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## COMMERCIALLY AVAILABLE TOOLS

We recognize that many Nissan dealers will be servicing a vehicle that is much heavier for the first time. Many of the components will require heavier duty general shop tools and equipment that were not necessary in the past. We have included a recommended list for your consideration. Please refer to attachment and when available in late November, the relevant Electronic Service Manual (ESM) section for commercially available tools necessary for repairs.

## SHOP EQUIPMENT

The following shop equipment should be inspected to verify compliance with recommendation

- Service Lift: Nissan recommends that a minimum capacity of 12,000lbs be utilized. The wheelbase of the TITAN XD is 151.57in and the GVWR is 8,990lbs.
- Engine Lift: Verify that engine lifting equipment capacity is no less than 850lbs.
- Transmission Lift: For EV certified dealers, the EV battery lift table may be utilized with adapter plate J-51981 (will be shipped essential). For non-EV dealers, heavy duty lift table or suitable transmission jack should be utilized.
- Wheel Alignment Systems: Systems prior to Hawkeye Elite will require tire clamp adapters to attach the alignment targets to the 20in wheel/tire assembly. Refer to your alignment system manufacturer for compatibility.
- Wheel/Tire Assemblies: Due to the combined weight of (~87lbs), Nissan recommends the use of wheel lifts.

## POPULAR SERVICE PARTS LIST

A list of popular parts and lubricants recommended for service of this vehicle is under development and shall be communicated at a future date.

## TECHNICAL TRAINING

As a reminder, Dealers must have at least one Service Technician who is currently a 'Nissan SCOPE Engine Specialist' and designated to be the 'Diesel Specialist.' The following eLearning courses must be completed before attending the 5 day *Nissan XD Diesel Technologies* instructor-led course:

- *Cummins Engine Familiarization – Part I & II*
- *Introduction to Diesel Technologies*

Enrollment in the instructor-led course will be made available in late October and handled by your Training Coordinator.

Please refer to PSTT-TTB 14-002b and PSTT-TTB 15-007 for additional details.



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## **SERVICE STRATEGY**

The following powertrain components shall be serviced as an assembly for the first 12-18 months:

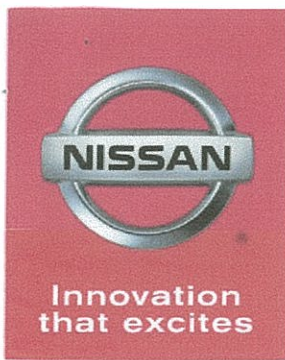
- Engine (Long Block)
- Transmission
- Front and Rear Differentials (Note: NV dealers currently have the essential tools required to repair rear differential. The rear axle essential tool kit J-50283 was shipped to NV dealers during 2012 in support of the NV 2500/3500 however current service level for the 2016 Titan XD is to replace the rear axle as an assembly)

Essential tools required for repairing the internal components of the above three items shall be announced at a future time.

## **DIESEL EXHAUST FLUID (DEF) SYSTEM TESTING**

The 2016 Titan XD is equipped with an exhaust system that includes unique requirements for service and testing. Exhaust system components can become hot enough during operation and testing to cause burns or ignite and melt combustible materials. Exhaust temperatures may reach 1500°F (800°C). Please see the Exhaust System section of the Electronic Service Manual for details before any testing or repairs are performed.

**NISSAN NORTH AMERICA, INC.**  
Aftersales Division – Dealer Support



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2016 Titan XD Service Readiness Checklist		
Item	Details	Ready Yes/No
Alignment Rack	Requires unique tire clamp adapters (contact alignment manufacturer for assistance)	
Service Lift	12000lb capacity	
Transmission Lift	For EV dealers, verify EV lift table is present For Non-EV dealers, use heavy duty lift table or suitable transmission jack Lift table plate adapter J-51981 should be used	
Engine Lift	Verify lift capacity no less than 850lbs	
Critical Service Parts	See future communication on "popular parts" and recommended lubrications	
Engine Tools	Will be shipped prior to Start-of-Sale	
Transmission Tools	Will be shipped prior to Start-of-Sale	
Front Axle	Service Strategy for first 12-18 months replace complete axle Future essential tool shipment after 12-18 months	
Rear Axle	Service Strategy for first 12-18 months replace complete axle For Non-Business Certified dealers, future essential tool shipment after 12-18 months Business Certified dealers currently have the NV Rear Axle Rebuild Kit (J-50283)	
Harness Repair Kit	Cummins unique connectors for EGI-Harness will be shipped prior to Start-of Sale	
Technical Training	Verify at least 1 technician has completed <i>Nissan XD Diesel Technologies</i> ILT Refer to PSTT-TTB 14-002b and PSTT-TTB 15-007	
Commercial Tools	Refer to Electronic Service Manual and attachment	
DEF System	Assigned DEF system testing area (Electronic Service Manual for additional details)	



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To order call TechMate at 1-800-662-2001 or visit  
[www.nissantechmate.com](http://www.nissantechmate.com)

<b>Commercially Available Tools &amp; Equipment</b>	
<b>Part#</b>	<b>DESCRIPTION</b>
<b>Wheel Service Equipment</b>	
<b>Hunter</b>	
1-TCR1	Revolution Fully Automatic Tire Changer
1-TCA34	Better Performance Tire Changer
1-TC3715SSW	Good Performance Tire Changer w/Wheel Lift. Available in Red or Black
<b>Wheel Balancers</b>	
<b>Hunter</b>	
1-RFT31NI	Road Force Touch Balancer - Nissan
<b>Alignment</b>	
<b>Hunter</b>	
1-HE421FC	HE421FC Sensors
1-WA372	Standard Compact Cabinet with 24" Monitor
1-WA484CM	WinAlign Package including WA484 console and HE421CM sensors
1-20-1558-1	Set of (4) Tire Clamp Adapters - (Required, depends on type of alignment system)
1-20-1789-1	Tire Clamp Adapters 10" - 24" - (Required, depends on type of alignment system)



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[www.nissantechmate.com](http://www.nissantechmate.com)

DESCRIPTION	
<b>Lift Equipment</b>	
<b>Rotary</b>	
39-SPO12-TA	12000lb Heavy-Duty Two-Post Lift
39-SPO12-TA-EH1	12000lb Heavy-Duty Two-Post Lift with 1ft. Extension; 3-stage arms
39-SL212	12000lb Inground Lift
<b>Accessories</b>	
39-FA5959	Magnetic Lug Retainers
368-92100	Omega Wheel Arm, 1 pair
<b>Challenger</b>	
67-CL12-2	12000lb 2-Post Lift with 2ft Extension
67-EV1220BMC	12000lb Inground Envirolift, Bench Controls
<b>Accessories</b>	
67-10315	Stack Adapter Kit for 10k Lifts
67-10319	Truck Adapter and Extension Kit
67-10314	Frame Engaging Adapters
67-10318	Universal Frame Engaging Adapter
<b>Brake Service Equipment</b>	
<b>Pro-Cut</b>	
38-92-BASE-IBT	On-Car Brake Lathe & Trolley, Base Kit
38-50-5ADP	Five Adapter Package, order with Base Kit
38-50-ACC	Accessory Kit, Order with Base Kit
38-A10-BASE-PKG	A10 WARTHOG HD Package



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Part#	DESCRIPTION
<b>Jacks and Jack Stands</b>	
<b>Jacks</b>	
<b>OTC</b>	
16-1510B	10-Ton Jack
16-5110	10-Ton Air/Hydraulic Jack
16-5019A	Low Lift Transmission Jack
16-5237	1000lb Transmission Jack
16-1736A	6-Ton Jack Stands, Pair
16-5373	6-Ton Jack Stands, Pair, Stinger
16-5372	3-Ton Jack Stands, Stinger
<b>Norco</b>	
311-72000D	1-1/2 Ton Transmission Jack
311-71500E	5-Ton Floor Jack
311-71000D	10-Ton Floor Jack
311-71100A	10-Ton Air/Hydraulic Jack
<b>Jack Stands</b>	
<b>OTC</b>	
16-1778B	12-Ton Short Support Stand
16-1781B	4000lb Tri-Pod Stand
<b>Lift Tables</b>	
<b>OTC</b>	
16-1585A	1250lb Lift Table
16-1595	2500lb Lift Table
<b>Norco</b>	
311-81210	10-Ton High Height Jack Stand
311-81208	10-Ton Medium Height Jack Stand
311-81209	10-Ton Low Height Jack Stand



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Part#	DESCRIPTION
<b>Miscellaneous Shop Equipment</b>	
<b>Rotary</b>	
39-MW-200	200lb Mobile Wheel Lift (Air Operated)
<b>OTC</b>	
16-1770A	Dual Wheel Dolly
16-1833	25-Ton Press
16-1879	Press Accessory Kit
16-1896	Heavy-Duty Oil Filter Crusher
16-1877	25-Ton Heavy Duty Oil Filter Crusher With Stand
16-5096A	Easy Lever Wheel Dolly
<b>Wright Tool</b>	
223-648	8" Heavy-Duty Vise
<b>Work Bench</b>	
149-2323D5M	5' Heavy-Duty Workbench
149-2323D6M	6' Heavy-Duty Workbench
149-2323D8M	8' Heavy-Duty Workbench
<b>Misc</b>	
16-1726A	1000lb Engine Stand
311-78125	1250lb Norco Engine Stand
16-4305	1500lb Engine Load Leveler
16-1819	2200lb Heavy Duty Lift
110-KS400	Heavy Duty Kwikstart
16-1734A	Heavy Duty Wheel Step
433-SS1Y	Shure Step
433-SS2B	Shure Step
433-SS3Y	Shure Step



**TECH-MATE**

**NISSAN AUTHORIZED  
TOOL & EQUIPMENT PROGRAM**

1-800-662-2001 • nissantechmate.com



# TITAN XD SERVICE

*Ensure your dealership is ready to service the 2016 Titan XD! The recommended shop equipment identified on the checklist in **TSB NPSB/15-409** is available now through TECH-MATE.*

Your TECH-MATE program has the equipment needed to comply with NNA's recommendations for service and repairs of the new frame, new chassis and the many other seriously substantial components of the biggest vehicle yet coming in your service department.

Show TITAN XD owners your outstanding service capabilities by having all the heavier duty general shop tools and equipment on-hand to perform any and all service procedures of their powerful new full-size truck.



**NISSANTECHMATE.COM • 1-800-662-2001**



# TECH-MATE

NISSAN AUTHORIZED  
TOOL & EQUIPMENT PROGRAM

1-800-662-2001 • nissantechmate.com

Equipment Savings  
Opportunities  
The TECH-MATE  
Advantage

## 90 DEFERRED DAY FINANCING



From now until December 31, 2015, get complete financing on all equipment purchases with **NO MONEY DOWN, NO DOC FEE** and **NO PAYMENTS** for 3 Months! Available exclusively through Bank of the West Equipment Finance.

- Reserve your cash for other expenses now, we'll even waive the Doc Fee
- Get competitive, low payments and flexible terms after the third month
- \$1 Purchase Option available at end of term
- \$10,000 minimum purchase required
- Financing is available to qualified business customers, subject to credit approval
- IRS Section 179 Tax Benefits may apply
- This special offer expires on 12/31/15 and is subject to change without notice

# \$0 DOWN

Contact Us Today  
to Take Advantage!

**Paul Knowlton**  
415-217-4296

To order call  
**1-800-662-2001** or visit  
**NissanTechmate.com**

\*Offer cannot be combined with any other DES discount, promotional offer, or used on the purchase of special service tools; excludes shipping, taxes and installation.

**Offers Expire December 31, 2015**

OR

## 90 DEFERRED DAY PAYMENT

- Available through DES open account only; Payment due 91 days from date of invoice
- \$10,000 Minimum purchase required (tax, install, and freight not included)
- Subject to credit approval; no service charge

## Field Sales Organization

Area Business Consultants

### 1 Curt Monahan

Area Business Consultant  
609-410-8971  
curtied56@aol.com

### 6 Todd Steiner

Area Business Consultant  
513-638-8633  
toddsteiner1@yahoo.com

### 2 Paul Barber

Area Business Consultant  
269-804-4020  
desconsultant@live.com

### 7 Manuel Medina

Area Business Consultant  
925-297-5096  
manny@dealerequip.com

### 3 Kevin Duke

Area Business Consultant  
909-560-0362  
kevin.duke@att.net

### 8 Saral Kumar

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516-468-8422  
saral.kumar@hotmail.com

### 4 Glyn Harris

Area Business Consultant  
818-903-5997  
go-harris@msn.com

### 9 Robert James

Area Business Consultant  
407-448-7560  
rjames3536@cfl.rr.com

### 5 Tim Hill

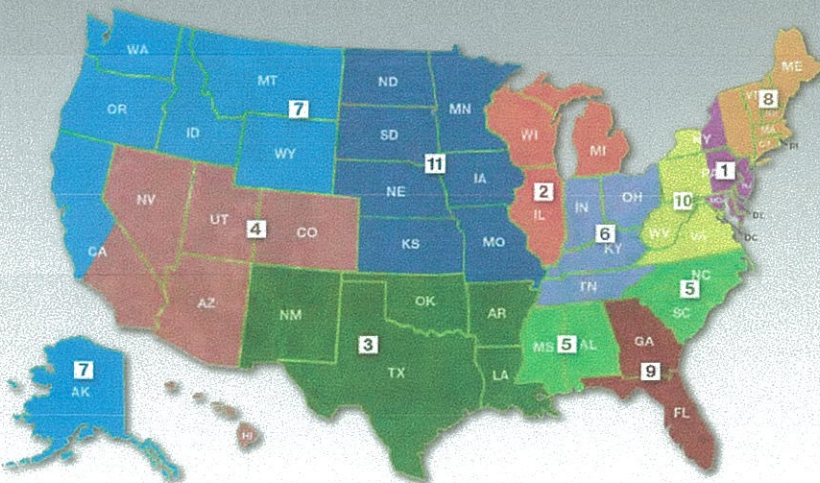
Area Business Consultant  
239-768-5976  
external.tim.hill@us.bosch.com

### 10 David Salo

Area Business Consultant  
724-816-9478  
dsalo@comcast.net

### 11 Rick Angelica

Area Business Consultant  
316-323-8204  
rick@desmidwest.com



**Tom Campbell**  
National Director of Field Sales  
724-693-9335  
tom.campbell@us.bosch.com

**NissanTechmate.com**

**1-800-662-2001**

# Wheel Service Equipment

## Tire Changers

**TECH·MATE**  
NISSAN AUTHORIZED  
TOOL & EQUIPMENT PROGRAM  
1-800-662-2001 • nissantechmate.com



**HUNTER**  
Engineering Company

**BEST**



1-TCR1

### Revolution™ Tire Changer

1-TCR1

**\$28,110.00 Dealer Price: \$29,106.00**

Hunter's new Revolution™ is a fully-automatic tire changer that simplifies tire changing for all assemblies. Simply load the tire, set the dimensions and watch it work!

#### Features:

- Full-automatic operation eliminates requirement for skilled operator and reduces the experience gap within tire-changing teams.
- Intuitive touchscreen interface indicates operator's current step and monitors progress throughout the procedure.
- Powerful press arms adjust automatically when diameter is set.
- Leverless tool head's demounting hook automatically deploys, catching and lifting the bead with ease.
- First electric tire changer listed to UL201 Garage Equipment Standard.

**BETTER**



1-TCA34W

### Auto34 Tire Changer

1-TCA34W

**\$20,325.00 Dealer Price: \$21,042.00**

High-capacity, leverless tire changer with wheel lift. The Auto34W Tire Changer includes automated functions and unique design elements to service rims up to 34" with effortless operation.

#### Features:

- A powerful, variable-speed motor exerts over 850 foot-pounds of torque to service the most stubborn tires and gives the technician complete control to prevent damage to rims and tire beads.
- The bead-loosening rollers automatically indent to follow the rim profile, allowing the system to gently roll the bead from the rim without damage. Yet the rollers are strong enough to safely hold the tire in place to complete match-mounting procedures.
- Only three switches and one foot pedal control virtually all tire changing operations, ensuring the same simple operation on all wheels regardless of the size, design or fitment.
- The pneumatic wheel lift eliminates manual lifting of heavy wheel assemblies, significantly reducing operator fatigue and chance of injury.

**GOOD**



1-TC3715SSW

### TC3700 Tire Changer

1-TC3715SSW

**\$14,700.00 Dealer Price: \$15,226.00**

Performance Tire Changer with Wheel Lift.

#### Features:

- Complete operation performed from one position.
- Unobstructed access to the lower bead eases lubrication.
- 850 ft.-lbs. of torque.
- Ergonomic control handle makes large assembly service easy.
- Familiar side shovel design with standard protector sleeve.

Prices effective through 12/31/15. Pricing subject to change without notice.

Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)  
All sales F.O.B. shipping point. All applicable freight, installation and tax will be added at time of invoice. For estimated freight, please call 1-800-662-2001.



# TECH·MATE

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## Wheel Service Equipment & Brake Service Equipment Wheel Balancers

### HUNTER Engineering Company



1-RFT31NI

### Road Force Touch® Balancer

**1-RFT31NI**

**\$16,175.00 Dealer Price: \$16,748.00**

The Road Force Touch provides complete wheel diagnostics as fast as a traditional balancer and features a touchscreen interface to simplify operation.

#### Features:

- Road Force® roller mimics how a wheel performs under the load of a vehicle to find and solve hidden causes of vibration and vehicle pull.
- ForceMatching® locates the stiffest area of a tire and the lowest spot on a rim to be marked and match-mounted to cancel radial-force vibration.
- StraightTrak® measures pull forces in tires and recommends wheel placement to cancel vehicle drift. Now measures individual tire pulls!
- SmartWeight® improves overall balancing results, saves over 30% on wheel weight costs and boosts productivity through more efficient weight application.
- eCal™ auto-calibration provides true "self-calibration" without any input from the operator.
- CenteringCheck® verifies proper wheel centering to eliminate setup errors and ensure an accurate balance.
- BullsEye® 10-piece collet set with convenient storage comes standard.
- Laser-guided weight placement speeds service with a standard BDC laser and an optional HammerHead TDC laser.
- Non-wheel lift and AutoClamp options available.

**NOTE:** Wheel lifts prevent possible injuries but they also aid in proper centering. With heavier wheel assemblies, centering on a collet or cone becomes more difficult. This leads to improper balancing and irregular radial force variance readings. With a wheel lift, a technician is better able to accurately center a collet/cone into the pilot/hub hole of a wheel. Balance repeatability on truck assemblies can be a problem and the majority of the time the issue lies with centering. In addition to a balancer with a wheel lift, it's possible that a tech may need to use a 6" spindle cup (or even better) a 9" spindle cup.

### PRO-CUT ROTOR MATCHING SYSTEMS



38-50-6ADP



38-A10-BASE-IBT



38-50-ACC

### A10 Warthog HD Package

**38-A10-BASE-PKG**

**\$10,495\* Dealer Price: \$15,312.00**

#### Features:

- PTO drive and external gear box provide 2X the start-up torque. Great for all-wheel drive vehicles!
- Deeper reach and 8 lbs. of extra mass allow for quieter cuts on any vehicle.
- Fixed post, disc-lock trolley provides a wider base for greater stability and new carriage design for perfect zero gravity effect.
- DRO computer with digital display of live run-out and "odometer" readings that provide motor hour, number of cuts, average comp time and ROI Data.

#### Includes:

**38-A10-BASE-IBT** A10 Warthog Base.  
**38-50-6ADP** 6 Adapter Package.  
**38-50-ACC** Accessory Kit.

**WARRANTY:** Two years.

\*\$500 Instant Rebate included in purchase price. Trade-in Required.

Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)

All sales F.O.B. shipping point. All applicable freight, installation and tax will be added at time of invoice. For estimated freight, please call 1-800-662-2001.

Prices effective through 12/31/15. Pricing subject to change without notice.

# Wheel Service Equipment Alignment

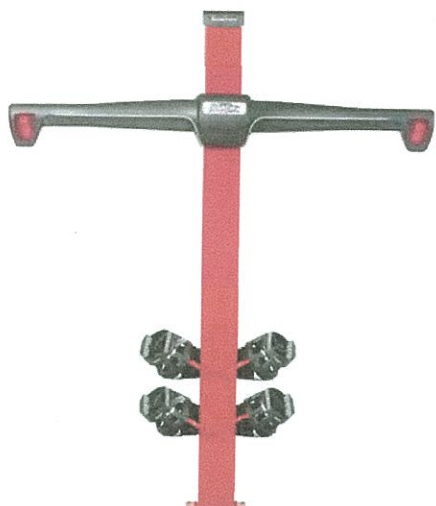
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## HUNTER Engineering Company



1-HE421FC



1-WA372



1-WA484-CM

### HawkEye Elite® Alignment Systems

Hunter's HawkEye Elite® systems elevate alignment service to a new level of productivity.

Patented QuickGrip™ adapters and three-dimensional targets work with high-resolution camera sensors and the most powerful alignment software in the industry to help shops take full advantage of one of the most profitable auto services.

#### Features:

- An extensive vehicle information database and vehicle-specific adjustment simplify alignment procedures for fast, accurate and efficient service.
- Four high-resolution cameras capture measurements and provide instant adjustment updates on-screen.
- 3D modeling of wheel position provides the most accurate alignment measurements.
- Exclusive QuickComp® compensates all four wheels and captures initial measurements in one roll-forward motion.
- Detailed color printouts help explain needed repairs and document completed work.
- Fully Integrated Alignment (FIA) minimizes steps and streamlines the alignment process by automating manual tasks and simplifying procedures.
- Award-winning CodeLink® steering system reset device and VIN bar code scanner come standard.
- Choose from a variety of consoles and sensor configurations to fit your shop space.

**NOTE:** older style wheel clamp adapters are required but the HawkEye Elite clamps are recommended to avoid wheel damage.

#### Alignment Sensors

##### 1-HE421FC

**\$12,370.00 Dealer Price: \$12,808.00**

Patented fixed-camera configuration. Includes four cameras, three-dimensional targets, QuickGrip wheel adapters and turnplate bridges.

#### Alignment Cabinet

##### 1-WA372

**\$10,775.00 Dealer Price: \$11,405.00**

Standard compact cabinet with 24" monitor.

#### Alignment Cabinet and Sensors

##### 1-WA484-CM

**\$27,530.00 Dealer Price: \$28,503.00**

Premium WinAlign Alignment console with 27" display and cabinet-mounted HawkEye Elite sensors.

#### Accessories:

##### 1-20-1558-1

**\$1,150.00 Dealer Price: 1,229.00**

Set of (4) Tire Clamp Adapters (Required depending on type of alignment system)

##### 1-20-1789-1

**\$1,165.00 Dealer Price: 1,248.00**

Tire Clamp Adapters 10" – 24" (Required depending on type of alignment system)

Prices effective through 12/31/15. Pricing subject to change without notice.

Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)  
All sales F.O.B. shipping point. All applicable freight, installation and tax will be added at time of invoice. For estimated freight, please call 1-800-662-2001.



# TECH·MATE

**NISSAN AUTHORIZED  
TOOL & EQUIPMENT PROGRAM**

1-800-662-2001 • nissantechmate.com

## Lifting Equipment

**Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)**

All sales F.O.B. shipping point. All applicable freight, installation and tax will be added at time of invoice. For estimated freight, please call 1-800-662-2001.

Prices effective through 12/31/15. Pricing subject to change without notice.



39-SPO12-TA

### 12,000 lb. Heavy-Duty Two-Post Lift 39-SPO12-TA

**\$6,025.00 Dealer Price: \$6,517.00**

#### Features:

- Front and rear 3-stage arms are standard.
- Adjustable track adapters with stackable inserts provide extra reach when needed.
- Original "Double S" column design for added strength.
- ALI Gold Certified.
- Single-point lock release.
- Extended-height models available.

#### Also Available:

### 39-SPO12-TA-EH1

**\$6,520.00 Dealer Price: \$7,054.00**

12,000 lb. Heavy-Duty Two-Post Lift with 1' Height Extension and 3-Stage Arms.

## Challenger Lifts



67-CL12-2

### 12,000 lb. Heavy-Duty Two-Post Lift 67-CL12-2

**\$6,250.00 Dealer Price: \$7,130.00**

#### Features:

- 2' column height extension.
- 3-stage front and 3-stage rear arms provide greater extension and retraction.
- Geared arm restraints standard.
- Single-point mechanical lock release system allows technician to disengage both column locks simultaneously.
- Oversized steel pulley reduces stress on equalization system and provides increased durability.
- 60" lifting carriage lessens column stress by dispersing load.
- Standard combination stack screw pads and storage brackets accommodates a wide range of vehicle pick up points.
- Padded overhead shut off system prevents vehicle damage from being raised too high.

#### Challenger Lifts Lift Accessories:

**67-10319** Truck Adapter and Extension Kit.  
**\$280.00 Dealer Price: \$323.00**

**67-10314** Frame Engaging Adapters.  
**\$105.00 Dealer Price: \$139.00**

**67-10318** Universal Frame Engaging Adapter.  
**\$205.00 Dealer Price: \$238.00**



**SmartLift 12,000 lb. Inground Lift**  
**39-SL212**  
**\$9,670.00** Dealer Price: \$10,466.00

**Features:**

- SmartLifts have a smaller footprint allowing your space to be utilized more efficiently.
- Patented lower-profile yoke with low drive-over clearance and more drive-thru clearance.
- Polymer containment housing protects the environment from the lift and the lift from the environment.
- All internal components are accessible at the floor level without removing the complete lift, saving time on repairs.
- Locking system has a patented cylinder of stainless steel construction with a polymer housing for maximum corrosion resistance.
- SmartGuard coated plungers prevent corrosion and last longer than other comparable products.
- Robust arm design for handling vehicles with a heavier capacity.
- Includes frame-contact adapters for trucks and stackable extensions for more clearance.



**EviroLift® 12,000 lb. Inground with Integrated Bench Mount Controls**  
**67-EV1220BMC**  
**\$10,745.00** Dealer Price: \$11,395.00

**Features:**

- 12,000 lb. Lifting Capacity with wide drive thru.
- Chrome Hardened Cylinders, ram style cylinder and multiple grease ports.
- 50% more bearing surface.
- Truck adapters and frame engaging adapters included.
- Includes integrated bench mount controls.

**Shinn Fu Company**



**Omega Wheel Arm™ (Pair)**  
**368-92100**  
**\$90.00** Dealer Price: \$142.00

Wheel Arm is an innovative and unique accessory to standard above and inground two-post lifts in the automotive industry. Wheel Arm eliminates the need for a technician to lift, bend and twist while mounting or dismounting a tire, saving time and reducing fatigue.

**Features:**

- Works on 99% of all OE and aftermarket wheels.
- Sold in pairs for lifts only used for tire rotations.
- 100 lb. Rated Capacity and 1.5 times safety factor each.
- Includes two magnetic lug nut trays to help keep bay organized.
- Heavy steel construction with rubber and plastic scratch protection.

Prices effective through 12/31/15. Pricing subject to change without notice.

**Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)**  
 All sales F.O.B. shipping point. All applicable freight, installation and tax will be added at time of invoice. For estimated freight, please call 1-800-662-2001.



# TECH·MATE

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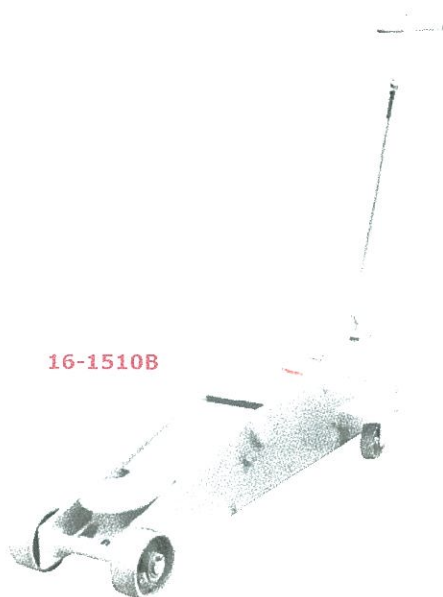
1-800-662-2001 • nissantechmate.com

## Service Jacks

Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)

All sales F.O.B. shipping point. All applicable freight, installation and tax will be added at time of invoice. For estimated freight, please call 1-800-662-2001.

Prices effective through 12/31/15. Pricing subject to change without notice.



16-1510B

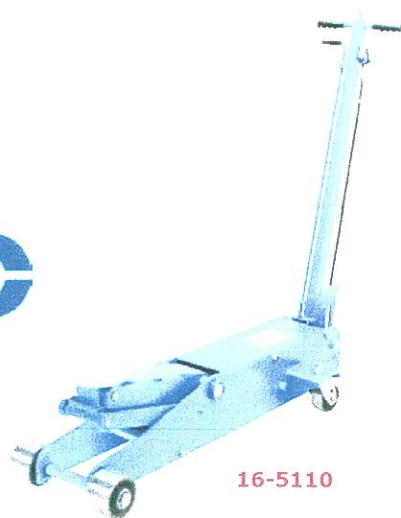
### Service Jack — 10-Ton Capacity

**16-1510B**

**\$805.00** Dealer Price: \$945.00

#### Features:

- Built-in safety overload to prevent over utilization beyond the jack's rated capacity.
- Convenient foot pedal to speed the lifting operation.
- Handle lock and release control are located on top of the handle.
- Spring-loaded 43-1/4" handle can be locked into any position from vertical to horizontal.
- Lifting range: 6-1/4" – 22"
- Saddle diameter: 6"
- Overall reach: 51"
- Frame height: 9-3/4"
- Floor space: 18" – 60"
- Product dimensions: 67" x 21" x 15"
- Shipping weight: 346 lbs.



16-5110

### Air/Hydraulic Service Jack — 10-Ton Capacity

**16-5110**

**\$3,440.00** Dealer Price: \$3,658.00

#### Features:

- Huge steel front wheels are mounted in bearings for trouble-free service life.
- Spring-loaded handle can be locked in three positions.
- Air supply: 90 – 175 p.s.i.
- Raised height: 26-5/8"
- Lowered height: 6-3/4"
- Lift pad diameter: 7-3/8"
- Made in the USA.
- Lifetime Warranty.
- Product dimensions: 55" x 16" x 54"
- Shipping weight: 410 lbs.



16-5019A

### Low-Lift Transmission Jack — 2,200 lb. Capacity

**16-5019A**

**\$1,785.00** Dealer Price: \$1,911.00

#### Features:

- 8-1/4" low height is perfect for aerodynamic trucks with low ground clearance.
- Mounting plate angle is adjusted with the turn of a wrench.
- Degree of tilt: 20° back, 15° forward, 12° side-to-side.
- Swiveling pump handle permits ease of operation in restricted working spaces.
- Fast-acting pump quickly raises lifting arm.
- Product dimensions: 55.6" x 35.6" x 14.5"
- Shipping weight: 376 lbs.





## Floor Jack — 10-Ton Capacity

**311-71000D**

**\$1,245.00 Dealer Price: \$1,333.00**

### Features:

- U.S. PATENT NUMBER: 7,055,801 B2
- Chromed ram and dust seals prevent hydraulic contamination.
- Safety by-pass and overload systems protect hydraulic block.
- Includes the FASTJACK® feature which raises the jack's lifting saddle to the load with one pump of the "T" handle.
- Locking release lever secures handle in the vertical, 45° or horizontal position to lower the load on all models.
- Low lift height: 6.125"
- High lift height: 27.25"
- Length: 68.5"
- Width: 21"
- Shipping weight: 455 lbs.



## Air/Hydraulic Floor Jack — 10-Ton Capacity

**311-71100A**

**\$1,610.00 Dealer Price: \$1,720.00**

### Features:

- U.S. PATENT NUMBER: 7,055,801 B2
- Chromed ram and dust seals prevent hydraulic contamination.
- Safety by-pass and overload systems protect hydraulic block.
- Air pump models can also be operated manually.
- Includes the FASTJACK® feature which raises the jack's lifting saddle to the load with one pump of the "T" handle.
- Locking release lever secures handle in the vertical, 45° or horizontal position to lower the load on all models.
- Low lift height: 6.125"
- High lift height: 27.25"
- Length: 68.5"
- Width: 21"
- Shipping weight: 466 lbs.



PROFESSIONAL LIFTING EQUIPMENT



## Floor Jack — 5-Ton Capacity

**311-71500E**

**\$810.00 Dealer Price: \$870.00**

### Features:

- FastJack mechanism raises the jack's lifting saddle to the load in one pump stroke.
- Chromed ram and dust seals prevent hydraulic contamination.
- Safety by-pass and overload systems protect hydraulic block.
- Additional foot pedal pumping provides fast saddle raising to the load.
- Spring loaded "T" handle can be activated to lower load in any handle position by pulling and rotating it clockwise 1/4 turn.
- High carbon steel chassis provides maximum strength in a lightweight jack design.

Prices effective through 12/31/15. Pricing subject to change without notice.

**Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)**  
 All sales F.O.B. shipping point. All applicable freight, installation and tax will be added at time of invoice. For estimated freight, please call 1-800-662-2001.



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## Transmission Jacks

### Transmission Jack — 1,000 lb. Capacity

**16-5237**

**\$2,085.00** Dealer Price: \$2,215.00

#### Features:

- Universal mounting head provides wide fore and aft tilt range.
- Lifting range from 37" – 73-3/4".
- Two-stage hydraulic cylinder design.
- Innovative folding foot pedal and release provides precise ease of control when positioning or removing a transmission.
- Significantly reduces force required to lift extremely heavy transmissions.
- Upgraded ergonomic handles for adjustment.
- ANSI/PALD compliant.
- Product dimensions: 38" x 21.75" x 16.25"
- Shipping weight: 150 lbs.

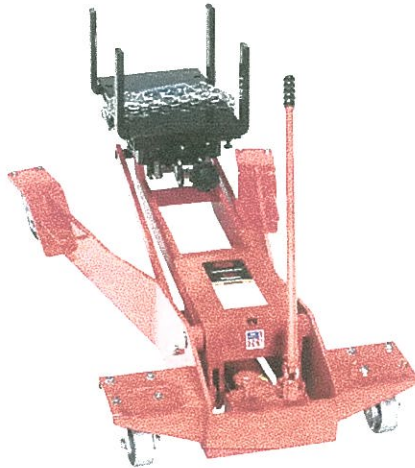
# OTC



16-5237

# NORCO

PROFESSIONAL LIFTING EQUIPMENT



311-72000E

### Truck Transmission Jack — 1-1/2 Ton Capacity

**311-72000E**

**\$1,740.00** Dealer Price: \$1,859.00

#### Features:

- Wide chassis with open front provides:
  - Wider opening for saddle and transmission to come lower to the ground for easy removal.
  - Efficient load distribution and stability.
  - Easy access to saddle tilt knobs.
- Fully adjustable universal saddle with adjustable arms to position the transmission.
- Heavy-duty chain with convenient chain tensioner secures load to the saddle.
- Safety by-pass system prevents damage to the hydraulic cylinder.
- Safety overload system prevents jack from being used beyond its rated capacity.
- Full 360° rotating handle operates in any position.
- Flash chromed ram inhibits rust from entering the hydraulic system.
- (4) 4" diameter full-swivel ball bearing caster wheels for easy positioning.
- Made in USA
- Low lift height: 7.75"
- High lift height: 36.5"
- Length: 45"
- Width: 28"
- Saddle size: 10.25" x 15.25"
- Shipping weight: 310 lbs.

Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)

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Prices effective through 12/31/15. Pricing subject to change without notice.

# Jack Stands



16-1736A

## Jack Stands (Pair) — 6-Ton Capacity

**16-1736A**

**\$140.00** Dealer Price: \$159.00

### Features:

- These ratcheting jack stands feature a formed steel frame for strength and long life, and rolled base edges that resist sinking into soft ground or asphalt.
- Height range of 15-1/2" - 24-1/2"
- Recessed column saddle for acceptance of vehicle panel rail (pinch weld).
- Dual purpose handle serves as carrying handle and column release.
- Investment cast rack bar for long life strength.
- Product dimensions: 16.7" x 14" x 16.5"
- Shipping weight: 52 lbs.

## Jack Stands (Pair) — 6-Ton Capacity

**16-5373**

**\$60.00** Dealer Price: \$74.00

### Features:

- Formed and welded steel base for strength; self-locking ratchet handle cannot be released under load.
- Durable baked enamel finish resists corrosion.
- Stands conform to ANSI PALD load rating standard; factory tested before shipment.
- Base: 11-9/16" x 10-3/8"
- Height range: 15-5/8" - 23-11/16"
- 13 adjustment positions.
- Welded foot pads resist sinking into soft ground or asphalt.
- Product dimensions: 10.25" x 11.5" x 23.75"
- Product weight: 32.2 lbs.



16-5373

### Also Available:

#### **16-5372** Jack Stands (Pair) — 3-Ton Capacity

- Base: 8-1/4" x 7-1/2"
- Height range: 12" - 17-11/16"
- 11 adjustment positions.

**\$35.00** Dealer Price: \$41.00

## Low Profile Jack Stand — 12-Ton Capacity

**16-1778B**

**\$240.00** Dealer Price: \$275.00

### Features:

- Spun steel base won't dig or sink into asphalt or sand.
- Height range of 19" - 29-1/2"
- Product dimensions: 17" x 17" x 26"
- Shipping weight: 44 lbs.
- Sold individually.



16-1778B

**NOTE:** Recommend use in pairs.

Prices effective through 12/31/15. Pricing subject to change without notice.

Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)  
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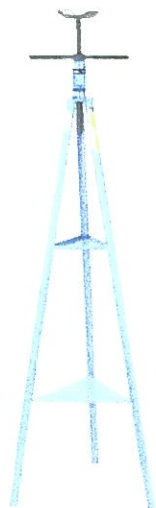
## Service Jacks and Stands

Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)

All sales F.O.B. shipping point. All applicable freight, installation and tax will be added at time of invoice. For estimated freight, please call 1-800-662-2001.

Prices effective through 12/31/15. Pricing subject to change without notice.

# OTC



16-1781B

### Tripod Stand — 4,000 lbs. Capacity

**16-1781B**

**\$195.00** Dealer Price: \$225.00

#### Features:

- This is an ideal support stand for undercar maintenance with a height range of 65-3/4" – 74-5/8".
- An ACME take-up screw precisely positions and secures the support stand in place.
- Product dimensions: 20" x 20" x 68"
- Shipping weight: 41 lbs.

# NORCO

PROFESSIONAL LIFTING EQUIPMENT



311-81210

### High Height Jack Stands — 10-Ton Capacity

**311-81210**

**\$480.00** Dealer Price: \$552.00

#### Features:

- Pin type support column adjusts to multiple height positions.
- Adjustment pin is secured to stand to prevent loss.
- Four legged base made of heavy schedule 2" diameter pipe for added stability.
- Large support saddle with locating lugs position and center load.
- Height range: 28" – 47"
- Height intervals: 10 x 2"
- Base size: 16" x 16"
- Saddle size: 3" x 5"
- Shipping weight: 106 lbs.

#### Also Available:

##### **311-81209** Medium Height Jack Stands — 10-Ton Capacity

- Base size: 17" x 17"
- Height Range: 18.5" – 30"
- Height intervals: 7 x 1.5"

**\$410.00** Dealer Price: \$475.00

##### **311-81208** Low Height Jack Stands — 10-Ton Capacity

- Base size: 12.5" x 12.5"
- Height Range: 10.5" – 17"
- Height intervals: 4 x 1.5"

**\$380.00** Dealer Price: \$436.00



**16-1585A**

## Lift Table — 1,250 lbs. Capacity

**16-1585A**

**\$1,699.00** Dealer Price: \$1,898.00

### Features:

- Ideal for engine and transaxle service.
- Compact design and swivel casters for easy maneuverability.
- Comes with tilting plate. Tilts 22° front-to-back, 17° side-to-side.
- Height range is 29-1/2" – 68-1/2".
- Table size is 20-1/2" x 30-1/2".
- Powered by shop air.
- Product dimensions: 57" x 39.75" x 12.5"
- Shipping weight: 372 lbs.



**16-1595**



## Power Train Lift — 2,500 lbs. Capacity

**16-1595**

**\$3,855.00** Dealer Price: \$4,270.00

### Features:

- Handles engine and transmission assemblies, gas tanks, drive axle assemblies, engine/transaxle assemblies, electric bus batteries and more.
- Scissors-type design allows access to all four sides of a component.
- Powered by a quiet, 110V electric/hydraulic pump.
- Smooth, steady lifting and lowering motion controlled by hand-held remote.
- Independent adjusting screws tilt the table 15° side-to-side, or fore-and-aft, and ensure maximum stability of the table in any position.
- Larger casters accommodate heavy loads.
- A 30' long retractable extension cord reel is mounted to the frame.
- Height range is 29" – 80".
- Table size is 20" w x 32" l.
- Product dimensions: 54" x 34" x 40"
- Shipping weight: 685 lbs.

Prices effective through 12/31/15. Pricing subject to change without notice.

**Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)**  
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## Miscellaneous Shop Equipment

Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)

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Prices effective through 12/31/15. Pricing subject to change without notice.



39-MW-200

### Mobile Tire and Wheel Lift — 200 lbs. Capacity

**39-MW-200**

**\$1,390.00** Dealer Price: \$1,516.00

#### Features:

- 200 lbs. capacity at 100 p.s.i.
- Reduces risk of shoulder and back injuries while limiting potential worker's comp claims.
- Air operated with no batteries.
- Air tool connection to reduce hoses in shop.
- Easy to maneuver, extra strong steel construction that's made in the USA.



16-1770A

### Dual Wheel Dolly — 1,500 lbs. Capacity

**16-1770A**

**\$1,075.00** Dealer Price: \$1,148.00

#### Features:

- Hydraulic jack provides almost 5" of lift and tilts wheel assembly 4° to prevent damage to wheel seal.
- Swivel casters for easy maneuverability.
- 6' chain holds load in place.
- Product dimensions: 36.5" x 39" x 36"
- Shipping weight: 209 lbs.



### 25-Ton Shop Press

**16-1833**

**\$2,590.00** Dealer Price: \$2,754.00

#### Features:

- Tough, economical press is ideal for pressing rear axle bearings, piston pins and much more.
- Large 30" x 46" work area under ram makes positioning of even bulky work easy. Press bed is easily raised and lowered by a dependable lifting mechanism.
- Press complete with No. 4002 hydraulic hand pump; No. 9652 gauge; No. 24815 tee; No. 9767 hose (1/4" ID x 6"); hydraulic ram No. 51426 with 6-1/4" stroke; and 42733-WH2 pump mounting bracket.
- Product dimensions: 70" x 36" x 16"
- Shipping weight: 464 lbs.



16-1833

#### Accessory:

**16-1881** Accessory Set for 25-Ton Capacity

**Presses.** Accessories attach to ram's forcing screw or support work on the press bed. Includes: No. 1124 bearing pulling attachment, No. 34510 ram pushing adapter with 3/4" dia. Shank, No. 34511 ram pushing adapter with 1" dia. Shank, No. 34807 V-pushing adapter, No. 1891 11-1/2" long V-blocks (pair), No. 28229 ram forcing cap and No. 38953 threaded adapter

**\$570.00** Dealer Price: \$651.00



16-1881

## Oil Filter Crushers



16-1896



16-1877

### 25-Ton Electric/Hydraulic Oil Filter Crusher

**16-1896**

**\$5,385.00 Dealer Price: \$5,711.00**

#### Features:

- Automotive and heavy-duty filters up to 15-1/4" long and 6" dia. are crushed in approximately 8 – 16 seconds. Filters are reduced to 20% of original size, with 95% of residual oil removed.
- Automatic cycle feature lets you load the filter, push a button and walk away.
- Powered by 2 hp electric/hydraulic pump, 230 volt, 20 amp, 60 cycle, 1 phase, 3,450 r.p.m. Has 2 gallon reservoir.
- Built-in, heavy-duty floor stand with leveling pads is designed to accept a 30 gallon drum for oil drainage.
- Comes assembled.
- Made in USA.

### 25-Ton Air/Hydraulic Heavy-Duty Oil Filter Crusher

**16-1877**

**\$3,395.00 Dealer Price: \$3,607.00**

#### Features:

- Handles the big filters (up to 6" dia. and 12-1/2" long) found in trucks, construction equipment, farm implements, etc. May also be used for automotive and light truck filters. It does it all!
- Crushes filters to 1/4 of original size, removing up to 95% of filter's oil capacity.
- Automatic cycle feature: load the filter, push a button and walk away.
- Air/hydraulic pump works on standard shop air (requires 9 c.f.m. at 100 p.s.i.)
- Special valving returns ram automatically at the end of each cycle. No electrical connections needed.
- Built-in floor stand (completely assembled). Whole unit requires just 5 square feet of floor space.

Prices effective through 12/31/15. Pricing subject to change without notice.

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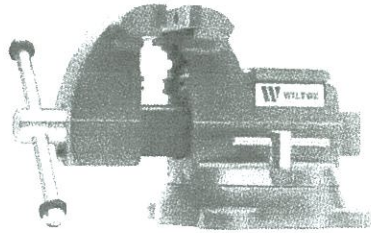


## Miscellaneous Shop Equipment

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Prices effective through 12/31/15. Pricing subject to change without notice.



223-648HD

### 8" Mechanics Vise

**223-648HD**

**\$365.00 Dealer Price: \$418.00**

#### Features:

- Weight: 50 lbs. (approximately)
- Dimensions: 12" l x 9" w x 8-1/2" h



17-811038

### Workbenches

ShureShop® Workbenches combine heavy-duty steel construction with all-welded adjustable height legs to increase strength and rigidity.

#### Features:

- All-welded adjustable height legs.
- Multiple widths and depths available.
- Full-length stringer.
- Available with backstop, end stops and lower shelf.
- Additional configurations available.

#### Models:

- |                  |                                                                          |
|------------------|--------------------------------------------------------------------------|
| <b>17-811038</b> | 48" x 29" ShureShop® Workbench<br><b>\$255.00 Dealer Price: \$296.00</b> |
| <b>17-811039</b> | 60" x 29" ShureShop® Workbench<br><b>\$255.00 Dealer Price: \$296.00</b> |
| <b>17-811040</b> | 72" x 29" ShureShop® Workbench<br><b>\$275.00 Dealer Price: \$319.00</b> |

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### Leasing Programs to Meet Your Needs

#### Rates as low as 5.75% with no upfront payments required!

- NEW — 5% flat fee financing for 12 or 18 months!
- 24 – 72 month terms available
- Up to 90 days deferred 1st payment option
- \$1,000 minimum transaction amount
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- All terms subject to credit approval

**Rick Hanson/Lori McGowan**  
**800-487-3636**



HARD WORK • INTEGRITY • EXCELLENCE

#### Rates as low as 4.75% from Bank of the West Equipment Finance

- 24, 36, 48, 60 or 72 month terms available
- First and last month payments due in advance (zero down/deferred payments available)
- \$1 end of lease purchase option
- \$10,000 minimum (rates differ for leases under \$10,000)
- Personal Guarantee not required for most transactions
- Financing available to qualified business customers; subject to credit approval

**Paul Knowlton**  
**415-217-4296**



BANK OF THE WEST  
 EQUIPMENT FINANCE  
 BNP PARIBAS GROUP

Leasing offers expire December 31, 2015. Rates subject to change without notice.





**OTC**

16-1726A

**Engine Stand — 1,000 lb. Capacity**  
**16-1726A**

**\$390.00** Dealer Price: \$449.00

**Features:**

- A timesaver for passenger car and light truck engine rebuilding or repair.
- Four adjustable attachment arms make engine mounting fast and easy.
- Engine can be rotated a full 360° with a turn of the handle; a locking pin secures the work in any of eight positions.
- Two rear wheels lock tightly to anchor the stand in place.
- Easy one-bolt disassembly for transport of stand.

**Option:**

**16-60796**

Drip Pan for 16-1726A Engine Stand. Made of ABS material.

**\$80.00** Dealer Price: \$110.00



**NORCO**

PROFESSIONAL LIFTING EQUIPMENT

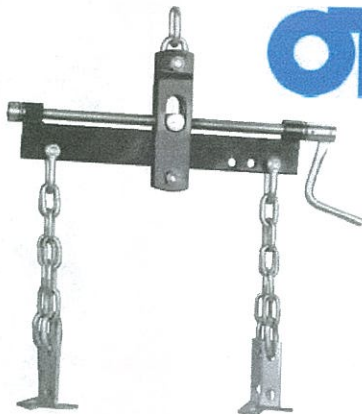
311-78125

**Engine Stand — 1,250 lb. Capacity**  
**311-78125**

**\$780.00** Dealer Price: \$836.00

**Features:**

- 50:1 ratio gearbox activated by hand crank easily turns the 360-degree rotating head to the desired work position.
- Fully adjustable engine mounting head.
- Two rigid wheels in back and two swivel caster wheels in front provide maximum stability and support. One locking caster wheel secures the stand in the desired work location.
- Telescopic base locks into any one of four different positions to extend the length of the stand for added stability when required.



**OTC**

16-4305

**Engine Load Leveler — 1,500 lb. Capacity**  
**16-4305**

**\$50.00** Dealer Price: \$67.00

**Features:**

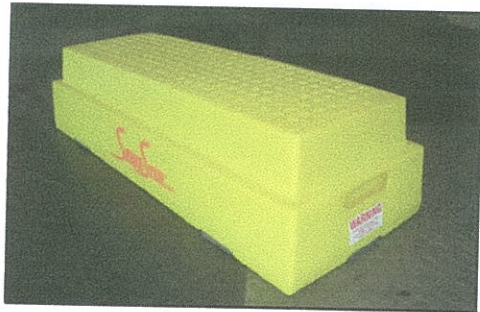
- Designed to hook to a crane or hoist to handle and position large, bulky components.
- The horizontal tilt can be adjusted to compensate for off-center loads, or adjusted to a certain angle for a component being positioned.

Prices effective through 12/31/15. Pricing subject to change without notice.

**Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)**  
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433-SS2B



433-SS3Y-NOB



319-TRX3-100

**Original "L" Shure-Step**  
**433-SS1Y**

**\$415.00 Dealer Price: \$475.00**

Help your technicians work safely in the engine compartments of larger trucks without stepping on the bumper.

The Shure-Step will help your techs reach those hard-to-get-to places under the hood. The Shure-Step won't slip out from under them like other steps.

**Features:**

- Safe and sturdy! These steps won't tip or slip.
- Rated at 500 lbs.
- Stackable! These steps grow 6" when stacked.
- Replaceable rubber pads on the bottom.
- Can be placed around the front of a truck, creating a safe scaffold completely around the engine compartment.
- Color: Yellow.
- Two steps included @39 lbs. each,

**Also Available:**

**433-SS2B**

**Shure-Step II**

- Stackable! Grows 6" when stacked.
- Rated at 500 lbs.
- Replacable rubber pads on the bottom.
- Color: Black

**\$85.00**

**Dealer Price: \$116.00**

**433-SS3Y-NOB**

**Shure-Step III Nobby Top Mechanics Step Stool**

- 10" high stackable stool.
- Rated at 500 lbs.
- Will NOT slip out from under a tech even when leaning on the inside corner of the step.

**\$130.00**

**Dealer Price: \$149.00**

**Foldable Topside Creeper**

**319-TRX3-100**

**\$230.00 Dealer Price: \$267.00**

**Features:**

- Rolls into the right place with multiple adjustment points.
- Locking casters for security and leverage.
- Padded deck is comfortable and easy to clean.
- The Topside Creeper folds up for easy and compact storage.
- Height adjusts from 48" - 64".
- Patent design reduces back, leg and knee stress.
- Slip resistant steps.
- Durable powder coated steel frame construction.
- Weight capacity is 400 lbs.

Prices effective through 12/31/15. Pricing subject to change without notice.

**Call 1-800-662-2001 Option #1 to order or visit [www.nissantechmate.com](http://www.nissantechmate.com)**  
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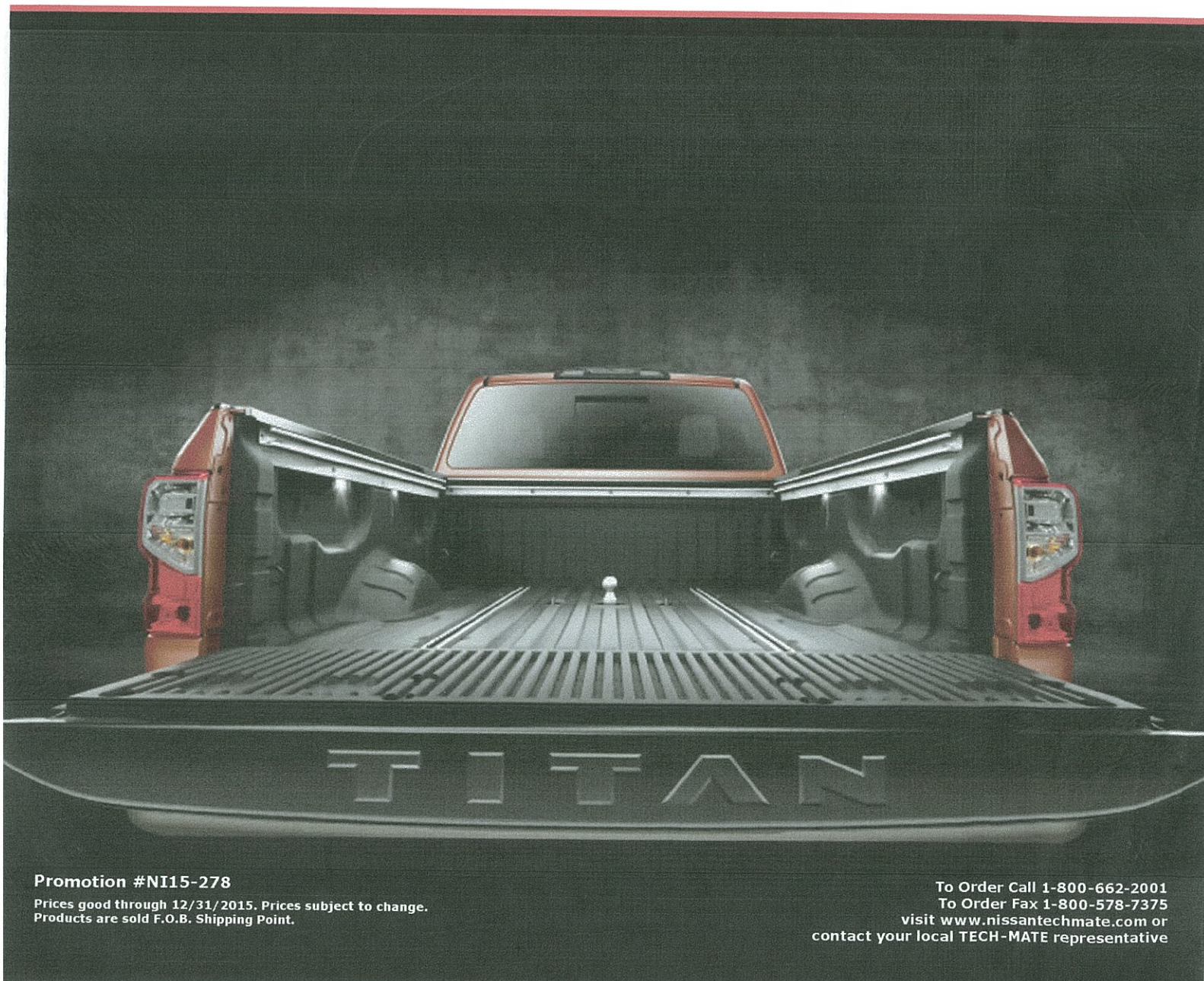
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