



SI B24 06 05
Automatic Transmission

November 2005
Technical Service

PERFORM THE PROCEDURE OUTLINED IN THIS SERVICE INFORMATION ON ALL AFFECTED VEHICLES BEFORE CUSTOMER DELIVERY OR THE NEXT TIME THEY ARE IN THE SHOP FOR MAINTENANCE OR REPAIRS.

Under the National Traffic and Motor Vehicle Safety Act of 1966, as amended, if there has been a recall campaign, dealers must assure that all new vehicles and new items of replacement equipment are free of safety defects and comply with all applicable Federal Motor Vehicle Safety Standards at the time of delivery to the consumer. This means that dealers may not deliver new motor vehicles or new items of replacement equipment to consumers unless the safety defect or noncompliance has been remedied before delivery.

SUBJECT

Safety Recall Campaign 05V-504: Parking Lock Guide Plate

MODEL

E65, E66 with N62TU, N73 from 08/05 up to 10/05

E60 with N62, N62TU from 08/05 up to 10/05

E63, E64 with N62, N62TU from 08/05 up to 10/05

E53, X5 4.8is with N62S from 08/05 up to 10/05

SITUATION

Some of the ZF 6HP26 automatic transmissions installed in the affected vehicles have been assembled using non-hardened parking lock pawl guide plates. A non-hardened guide plate can cause a misalignment of the lock pawl to the park wheel, resulting in a partial engagement of the transmission parking lock.

If the transmission parking lock was not fully engaged and the vehicle was parked on an incline of a sufficient grade, with the parking brake not applied, this could result in a vehicle rollway condition.

In order to remedy this situation, BMW is conducting a Safety Recall Campaign to replace the automatic transmission guide plate on all affected vehicles.

A copy of customer notification letter is attached.

To minimize the customer inconvenience caused by this Recall Campaign, pick-up (and deliver after repair) the affected vehicle from customer's home and provide appropriate alternative transportation.

Customers will be impressed when you return their cars cleaned inside and out and with a full tank of gas. Reimbursement information for the vehicle fueling and valet costs may be found in the Warranty portion of this bulletin.

AFFECTED VEHICLES

This Recall Campaign involves 545iA/550iA, 645CiA/650iA and 645CicA/650icA vehicles with N62/N62TU engines; 750i/750Li/760Li with N62TU/N73 engines and X5 4.8is with N62S engines which were produced from August 18th, 2005 up to October 4th, 2005.

In order to determine if a specific vehicle is affected by this Recall Campaign, it will be necessary to utilize the "Service Menu" of the DCS (Dealer Communication System). Based on the response of the system, either proceed with the corrective action or take no further action.

The Chassis Number Ranges listed below are **only** for informational purposes and are not to be considered as the only deciding factor.

Model	Chassis Number Range
X5 4.8is	LE83810 – LE83825
545iA	CN68276 – CN68277
550iA	CP00038 – CP00340
645CiA	CF95404 – CF95409
645CicA	B328920 – B328933
650iA	CR49010 – CR49130
650icA	CN75012 – CN75310
750i	DT02558 – DT02901
750Li	DT31032 – DT31734
760Li	DD98279 – DD98280

CORRECTION

On the affected vehicles replace the automatic transmission pawl guide plate (PN 24 53 1 219 287).

PROCEDURE

1. Prior to parking pawl guide replacement, transmission has to be cooled down. Transmission oil temperature must to be below 100 deg F.
2. Turn off the engine, engage parking/hand brake and select neutral (N).

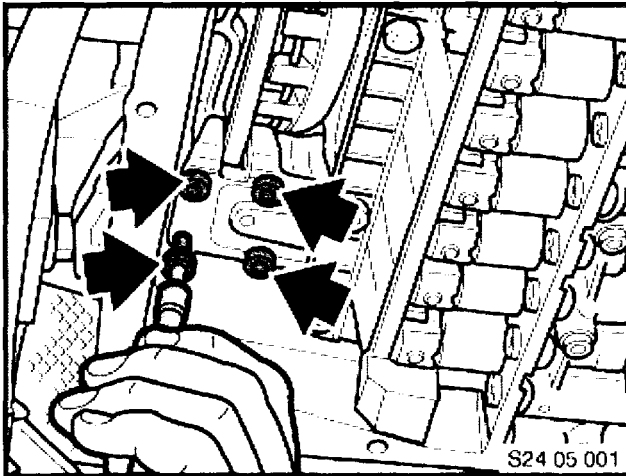
IMPORTANT NOTE:

On the E65/66 vehicles, the Emergency Parking Lock Release has to be engaged.

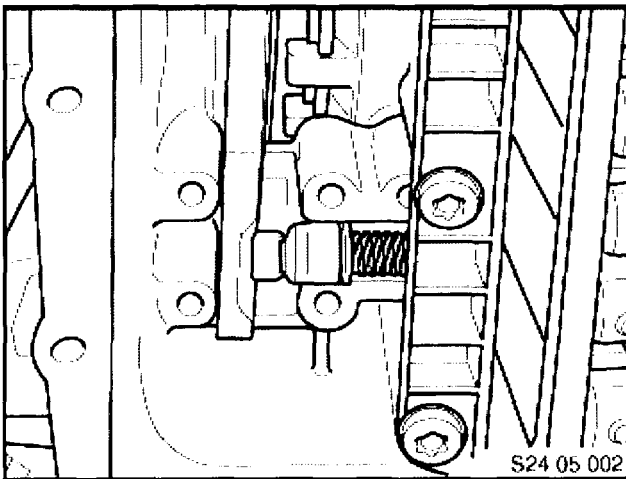
The emergency release for the parking lock is located in the vehicle interior at the A-pillar in the foot well on the driver's side (above the hood release handle). This emergency release can be only accessed by using vehicle key to open the locked cover. With cover unlocked, pull the red ribbon until the release handle locks-up.

After repair is completed, the emergency release must be reset (handle pushed back) to re-engage the parking lock.

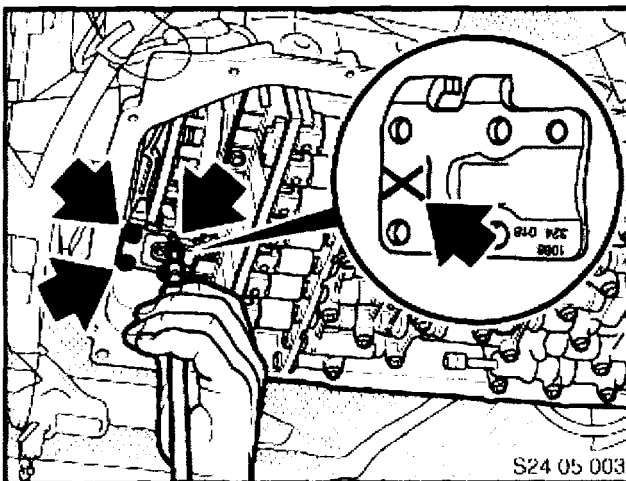
3. Raise vehicle on the suitable lift and remove the underbody shield cover.



- 4. Drain and save lifetime-fill transmission fluid.
- 5. Remove transmission oil pan (for removal instructions refer to TIS RA 24 11 010).
- 6. Remove 4 guide plate bolts.



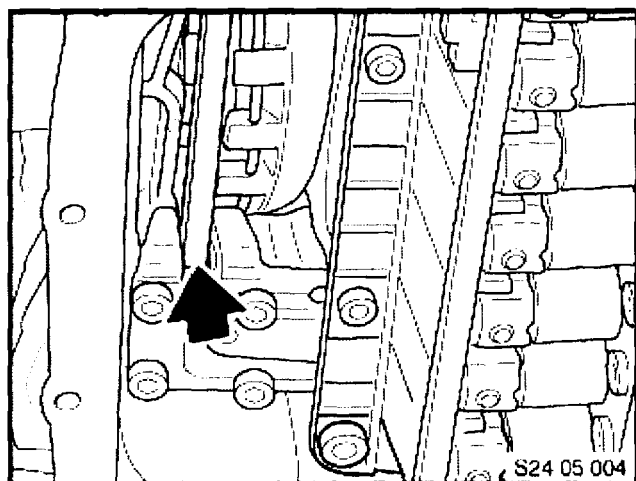
7. Remove the parking pawl guide plate (illustration shows guide plate removed from the transmission).



8. Install the new guide plate (PN 24 53 1 219 287) and tighten four guide plate bolts to 10 Nm.

Important:
The replacement guide plate is recognized by the mark "X" on its side.
9. The removed (defective) guide plate has to be returned to BMN NA Warranty Parts Return Center, together with a copy of the warranty claim.

10. Make sure that there is a clearance between the parking pawl and the gear



wheel and the pawl is not sticking/binding in the guide plate (check point indicated by an arrow).

11. Install a new transmission oil pan seal/gasket. On E60/63/64/65/66 vehicles, also replace the transmission pan sealing O-ring (PN 24 11 7 520 714).

Important:

Prior to pan seal installation, make sure that the oil pan and the seal groove are cleaned and free of oil residue.

12. Reinstall transmission's oil pan. Tighten the retaining bolts in a symmetrical order using torque of 10 Nm.

13. Install a new drain plug using torque of 8 Nm.

14. Refill transmission with previously saved Shell M 1375 transmission fluid. Top-up the trans fluid level (for the topping procedure refer to TIS RA 00 11 500) and reinstall the oil filler plug (tightening torque 35 Nm).

15. Reinstall all previously removed components. Perform a short test drive and functional test of the transmission parking lock operation.

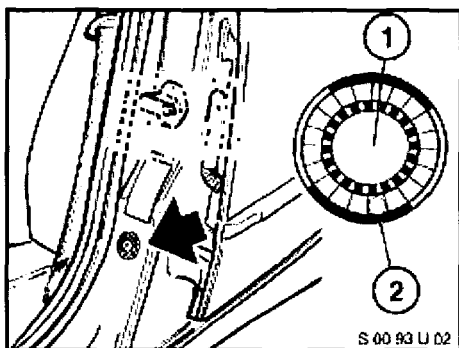
PARTS INFORMATION

Part Number	Description	Quantity
24 53 1 219 287	Guide plate	1
24 11 7 543 485	Oil pan plug – E53 X5 4.8is	1
24 11 7 543 484	Oil pan gasket - E53 X5 4.8is	1
24 11 7 520 713	Oil pan plug – E60/63/64/66/66 w. N62/N73	1
24 11 7 520 714	Oil pan O-ring - E60/63/64/66/66 w. N62/N73	1
24 11 7 534 438	Oil pan seal/gasket - E60/63/64/66/66 w. N62/N73	1
Sublet Allowance	Up to 1 liter of Shell M 1375 transmission fluid (PN 83 22 0 142 516)	\$19.25

LABEL INSTRUCTIONS

This Recall Campaign has been assigned code number **451** After the vehicle has been checked, and corrected if necessary, obtain a label (SD 92-278) and:

- a. emboss your BMW dealer warranty number in the middle of the label (1);



- b. punch out code number **451** printed on the label and,
- c. affix the label to the **B** pillar as shown.

If the vehicle already has a label from a previous Service Action/Recall Campaign, affix the new label next to the old one. Do not affix one label on top of another one because a number from an underlying label could appear in the punched-out hole of the new label.

WARRANTY INFORMATION

Reimbursement for this Safety Recall will be via Campaign Entry.

Defect Code	00 24 30 01 00	
Work Package #1:	Replace guide plate on X5 - Prior to delivery	
Labor Operation:	00 56 660	
Labor Allowance:	X5 4.8is	14 FRU
Parts Allowance:	24 53 1 219 287 - Guide plate	Qty (1)
	24 11 7 543 485 – Oil pan plug	Qty (1)
	24 11 7 543 484 – Oil pan gasket	Qty (1)
Sublet Allowance	up to 1 liter of Shell M1375 transmission fluid (PN 82 22 0 142 516)	\$19.15
Sublet Code	4	
Work Package #2:	Replace guide plate on E60, E63, E64, E65, E66 - Prior to delivery	
Labor Operation:	00 56 660	
Labor Allowance:	E60; 545iA/550iA	18 FRU
	E63; 645CiA/650iA	18 FRU
	E64; 645CicA/650icA	18 FRU
	E65/66; 750i/750Li/760Li	15 FRU
Parts Allowance:	24 53 1 219 287 - Guide plate	Qty (1)

	24 11 7 520 713 - Oil pan plug	Qty (1)
	24 11 7 520 714 – Oil pan O-ring	Qty (1)
	24 11 7 534 438 - Oil pan seal	Qty (1)
Sublet Allowance	Up to 1 liter of Shell M1375 transmission fluid (PN 82 22 0 142 516)	\$19.15
Sublet Code	4	
Work Package #3:	Replace guide plate on X5 - Vehicle in customer's possession	
Labor Operation:	00 56 065	
Labor Allowance:	X5 4.8is	15 FRU
Parts Allowance:	24 53 1 219 287 - Guide plate	Qty (1)
	24 11 7 543 485– Oil pan plug	Qty (1)
	24 11 7 543 484 – Oil pan gasket	Qty (1)
Sublet Allowance	Up to 1 liter of Shell M1375 transmission fluid (PN 82 22 0 142 516)	\$19.15
Sublet Code	4	
Work Package #4:	Replace guide plate on E60/E63/E64/65/66 -Vehicle in customer's possession	
Labor Operation:	00 56 065	
Labor Allowance:	E60; 545iA/550iA	20 FRU
	E63; 645CiA/650iA	20 FRU
	E64; 645CicA/650icA	20 FRU
	E65/66; 750i/750Li/760Li	17 FRU
Parts Allowance:	24 53 1 219 287 - Guide plate	Qty (1)
	24 11 7 520 713 - Oil pan plug	Qty (1)
	24 11 7 520 714 – Oil pan O-ring	Qty (1)
	24 11 7 534 438 - Oil pan seal	Qty (1)
Sublet Allowance	Up to 1 liter of Shell M1375 transmission fluid (PN 82 22 0 142 516)	\$19.15

Sublet Code 4

RE-FUELING COST

BMW of North America, LLC, will provide reimbursement to have the gas tank topped off once as required, for each vehicle affected by this Recall Campaign. Attach the appropriate receipt to the work order.

Defect Code **85 99 00 66 NA** **Refuel X5 4.8, 750i/760i, 545i/550i/645Ci/ 650i/645Cic/650ic affected by the Parking Guide Plate Recall**

Sublet: Actual cost to top off the fuel tank

Sublet code: 4

VALET COST

BMW of North America, LLC, will provide reimbursement for vehicle valet services (pick up & delivery) for each vehicle affected by this Recall Campaign. Attach the appropriate receipt to the work order.

Defect Code **99 99 77 77 NA** **Valet Service for X5 4.8i, 750i/760i, 545i/ 550i/645Ci/650i/645Cic/650ic affected by the Parking Guide Plate Recall**

Sublet: \$25.00

Sublet code: 4

RENTAL VEHICLES

Service Loaner vehicles, for this recall, should be utilized for alternative transportation needs to promote customer satisfaction.

Retailers participating in the Retailer Administered Customer Assistance Program and the Service Loaner Car Program may self-authorize claims for reimbursement of rental costs from independent rental agencies in certain situations. For more details refer to [SI B01 07 03](#).

ATTACHMENTS

view PDF attachment **B240605CustomerLetter**.

view PDF attachment **B240605TREADLetter**.

view PDF attachment **B240605Q&A**.

November, 2005

Recall Campaign No. 05V-504: Parking Lock Guide Plate

Dear BMW Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

BMW AG has decided that a defect which relates to motor vehicle safety exists in certain 2005 and 2006 Model Year BMW 5-, 6-Series and X5 4.8is vehicles, and 2006 Model Year BMW 7-Series vehicles. Our records indicate that you are the owner of a potentially affected vehicle.

We sincerely apologize for any inconvenience this may cause you.

DESCRIPTION OF DEFECT

The defect involves the parking lock system within the automatic transmission of your vehicle. The transmission could have been assembled using a certain part (guide plate) not manufactured to specifications. This could cause the parking lock system not to engage, after the transmission is placed in the park ("P") position. If the vehicle was parked on an incline, and the parking brake was not engaged, this could result in a vehicle rollaway condition.

Your vehicle can still be driven; however, do not leave this problem unattended. Failure to observe the following precautions could increase the risk of a vehicle rollaway condition.

PRECAUTIONS

CONTACT YOUR AUTHORIZED BMW CENTER IMMEDIATELY TO HAVE THE NECESSARY REPAIR PERFORMED AS SOON AS POSSIBLE.

Always engage the parking brake when the vehicle is parked.

If you are not the only driver of this vehicle, please advise all other drivers of this important information.

DESCRIPTION OF REPAIR

BMW will conduct a recall to remedy the affected vehicles. The repair will consist of replacing the automatic transmission guide plate. Please note that the transmission does not have to be removed from the vehicle for this repair.

The actual repair will require approximately two hours, however, additional time may be required depending on the BMW Center's scheduling and processing. This work will be performed free of charge by your Authorized BMW Center.

OTHER INFORMATION

BMW recommends that you always wear your safety belt, and that all passengers are properly seated and restrained at all times

Should you need BMW Roadside Assistance during operation of your vehicle, they may be reached at 1-800-332-4269.

If you are no longer the owner of this vehicle, we would appreciate you furnishing us with the name and address of the new owner, using the enclosed postage-paid card.

If you are a lessor of this vehicle, Federal Regulations require you to forward this notice to your lessee.

If you have already had this repair performed at your own expense, please see the attachment regarding possible eligibility for reimbursement.

Should you have any questions about this campaign, please contact your Authorized BMW Center.

Again, we sincerely apologize for any inconvenience this may cause you.

We appreciate your confidence in our product, and we wish to do everything we can to retain your confidence. Should you need additional assistance, you may contact BMW Customer Relations and Services at 1-800-831-1117.

If the BMW Center is unable to remedy the defect without charge or within a reasonable period of time, you may notify the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street S.W., Washington, DC 20590, call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153), or go to <http://www.safercar.gov>.

BMW OF NORTH AMERICA, LLC

TREAD ACT CUSTOMER REIMBURSEMENT PLAN
(BMW of North America, LLC)

If you have paid for the repair described in the attached letter, and you would like to be considered for reimbursement, please contact your authorized BMW center. Expenses from repair facilities outside of the BMW center network will be considered; however, the procedure must meet BMW standards and use BMW Genuine Parts.

Your authorized BMW center will request a copy of your owner notification letter, as well as, a copy of your previously paid invoice, and then inspect the vehicle (if it is still in your possession) prior to submitting a claim on your behalf to BMW of North America, LLC for reimbursement.

Please note the following:

Only a repair that is the subject of this safety recall is reimbursable. Consequential expenses such as towing, rental, accommodations, damage repairs, etc will not be reimbursed.

When BMW Genuine Parts are used, the Manufacturers Suggested Retail Price (MSRP) will be considered as the guideline for reasonable charges.

Expenses for repairs performed more than 10 days after the date of the last owner notification letter sent by BMW are not eligible for reimbursement.

Taxes and hazardous waste disposal, where previously paid, are eligible for reimbursement.

BMW will not reimburse for prior repairs that did not utilize BMW Genuine Parts.

We anticipate that your authorized BMW center will be able to answer any questions that you may have regarding your qualifications for reimbursement of a previous repair. If you qualify for such a reimbursement, they will also be able to advise you of the manner in which you could receive reimbursement.

We recommend that your authorized BMW center be your primary contact on this issue; however, our Customer Relations and Services Department may be contacted at 1-800-831-1117 for any special assistance that you may require.

Alternatively, you may submit your request for reimbursement to the following address:

Customer Relations and Services Department
BMW of North America, LLC
P.O. Box 1227
Westwood, NJ 07675-1227